

- Celia used an addition expression to find  $6 \times 5$ . Which expression did she use?  
**A**  $5 + 5 + 5$   
**B**  $5 + 5 + 5 + 5$   
**C**  $5 + 5 + 5 + 5 + 5 + 5$   
**D**  $5 + 5 + 5 + 5 + 5 + 5 + 5$
- The Perez family is driving to visit relatives. The trip is 184 miles, and they have driven 48 miles. How many more miles do they need to travel?  
**A** 142 miles  
**B** 136 miles  
**C** 128 miles  
**D** 112 miles
- Los Angeles is one of the largest cities in the United States. The population of Houston is less than that of Los Angeles. Chicago has a population greater than Houston but less than Los Angeles. Phoenix has fewer people than Houston. Which lists the population of the cities from greatest to least?  
**A** Chicago, Los Angeles, Houston, Phoenix  
**B** Los Angeles, Houston, Phoenix, Chicago  
**C** Los Angeles, Chicago, Houston, Phoenix  
**D** Los Angeles, Phoenix, Chicago, Houston
- What is another way of naming 900?  
**A** 9 ones  
**B** 9 tens  
**C** 9 hundreds  
**D** 9 thousands
- Order the numbers from least to greatest.  
852 528 582  
\_\_\_\_\_
- Compare. Use  $<$ ,  $>$ , or  $=$ .  
329 \_\_\_\_\_ 785
- Mental Math** Una put the same number of carnations into 4 vases. If she used a total of 32 carnations, how many are in each vase?  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_
- Look for a pattern and write the missing numbers.  
2, 8, 14, 20, 26,  
\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

- What is seven hundred one written in standard form?  
**A** 17  
**B** 71  
**C** 107  
**D** 701
- The Electronic Experts store sold 812 computers last year. The store also sold 233 printers. How many computers and printers did the store sell last year?  
**A** 1,045  
**B** 1,025  
**C** 945  
**D** 645
- Georgia made \$123 mowing lawns over the past four weeks. Sidney made \$96 mowing lawns over the same amount of time. How much money did they make altogether?  
**A** \$219  
**B** \$223  
**C** \$239  
**D** \$242
- Which numbers are written in order from least to greatest?  
**A** 423, 415, 430, 402  
**B** 430, 423, 415, 402  
**C** 415, 402, 430, 423  
**D** 402, 415, 423, 430
- Ike wanted to run 900 laps around a track in three months. Ike has already run 438 laps. How many more laps does he have left to meet his goal?  
\_\_\_\_\_
- Look for a pattern. Write the next three numbers.  
5, 9, 13, 17, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- Carol, Ana, Gloria, and Luz are standing in a line. Gloria is first. Luz is not last and is ahead of Carol. Ana is behind Gloria and Carol. In what order are the girls in line?  
\_\_\_\_\_  
\_\_\_\_\_
- Mental Math** James has 8 model cars. Rita and James have 17 model cars all together. How many model cars does Rita have?  
\_\_\_\_\_  
\_\_\_\_\_

1. **Estimation** Ronni estimated the sum of 149 and 863 by rounding each number to the nearest hundred and then adding. What was Ronni's estimate for  $149 + 863$ ?

- A 1,100
- B 1,000
- C 900
- D 700

2. A grocery store had 176 cans of green beans on the shelf on Monday. By Friday, 37 cans had been sold. How many cans were left?

- A 127
- B 139
- C 143
- D 151

3. A page in a photo album holds 6 pictures. A photographer fills 9 pages with pictures. How many pictures were put in the album?

- A 15
- B 45
- C 54
- D 72

4. There are 6 rows of desks in a classroom, and 4 desks per row. How many seats are there in all?

- A 2
- B 10
- C 18
- D 24

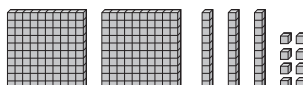
5. Write a number pattern for 8 starfish if each had 5 arms.

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6. What number do the place-value blocks below show?




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7. **Mental Math** Kyle counted 7 windows on the first row of a building that has 5 floors. Each floor has the same number of windows. How many windows does the building have?

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8. The printer sent 150 newspapers for delivery one day. How many boxes of newspapers would there be if the newspapers were packed in tens?

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1. Which is the missing number?

$$(7 \times 2) + (7 \times 6) = 7 \times \square$$

- A** 8  
**B** 6  
**C** 4  
**D** 2

2. **Mental Math** What number can go in the box to make the equation true?  $6 \times \square = 48$

- A** 5  
**B** 6  
**C** 7  
**D** 8

3. Which of the following is used to find out how many inches there are in 4 feet?

- A**  $4 + 12$   
**B**  $4 \times 12$   
**C**  $12 - 4$   
**D**  $12 \div 4$

4. A restaurant cuts its large pizzas into 8 equal pieces. How many total pieces of pizza are in 9 pizzas?

- A** 72  
**B** 60  
**C** 45  
**D** 27

5. Compare. Use  $<$ ,  $>$ , or  $=$ .

$$846 \bigcirc 824$$

\_\_\_\_\_

6. If Curtis walked 3 miles each day for 26 weeks, how many miles will Curtis have walked?

\_\_\_\_\_

7. How many equal sides does a square have?

\_\_\_\_\_

8. Write the word form for this number and give the value of the underlined digit.

982

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



1. Daryl is 23 years old. His brother Larry is 11 years younger. Which number sentence can you use to find how old Larry is?  
**A**  $23 - 11 = 12$   
**B**  $23 + 11 = 34$   
**C**  $34 - 23 = 11$   
**D**  $23 - 12 = 11$
  
2. Donna has read 9 times as many pages as Bob has. Bob has read 8 pages. How many pages has Donna read?  
**A** 17  
**B** 54  
**C** 72  
**D** 81
  
3. Raja put 35 marbles into a jar. Mary put in 28 marbles. Sal put in 64 marbles. What is the order from least to greatest, based on the amount of marbles each person put in the jar?  
**A** Mary, Raja, Sal  
**B** Sal, Mary, Raja  
**C** Sal, Raja, Mary  
**D** Raja, Mary, Sal
  
4. **Estimation** Dennis has 171 shells in his collection. Fred has 208. Round each amount to the nearest ten. About how many more shells does Fred have?  
\_\_\_\_\_
  
5. Marissa has 10 grapes. Roger has 3 times as many grapes as Marissa has. How many grapes do Marissa and Roger have in all?  
\_\_\_\_\_
  
6. Ian multiplied a number by 5. He then multiplied that product by 2. What digit is in the ones place of the final product?  
\_\_\_\_\_

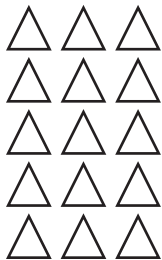
1. Melissa has 19 more stamps than George. If George has 24 stamps, how many stamps does Melissa have?  
**A** 33  
**B** 39  
**C** 43  
**D** 45
  
2. **Mental Math** Madison's hair was 10 inches long before she got it cut. She had 3 inches cut off. How many inches long is her hair now?  
**A** 3 inches  
**B** 6 inches  
**C** 7 inches  
**D** 13 inches
  
3. Timothy gave a clerk a \$20 bill for a book. The clerk gave him back \$11 in change. How much did the book cost?  
**A** \$10  
**B** \$9  
**C** \$8  
**D** \$7
  
4. **Mental Math** Andrew, Lynda, and Fiona each have 9 marbles. How many marbles do they have all together?  
\_\_\_\_\_
  
5. Miguel is putting his books away on a bookcase. There are 5 shelves on the bookcase. Miguel has 30 books. How many books should Miguel put on each shelf so that each shelf has an equal number of books?  
\_\_\_\_\_
  
6. Tamika had \$15 to spend at the fair. She played a game for \$2, rode on the Ferris wheel for \$3, and bought a sandwich for \$4. How much money did she have left?  
\_\_\_\_\_

1. **Mental Math** Alexandra has 12 flowers. She puts the same number of flowers in each of her vases. How many flowers will be in each vase?



- A 3  
B 4  
C 8  
D 12

2. Look at the array below. Which multiplication sentence describes the array?



- A  $3 \times 3 = 9$   
B  $5 \times 3 = 15$   
C  $3 \times 6 = 18$   
D  $5 \times 5 = 25$

3. **Mental Math** Keith planted 45 carrots in his garden. He planted them in 5 rows. Each row had the same number of carrot plants. How many carrot plants were in each row?

- A 3  
B 5  
C 9  
D 15

4. Jackson wants to buy a pair of sneakers that cost \$106. So far, he has saved \$57. How much more does Jackson have to save to buy the sneakers?
- \_\_\_\_\_

5. Put the numbers in order from least to greatest.

352          253          325          532

\_\_\_\_\_

6. Michelle wrote a basic multiplication fact, but she covered up some of the numbers. What multiplication fact did she write?

[ ]  $\times$  [ ] = 25

\_\_\_\_\_

1. Last year, there were 420 students at Madison Elementary. This year, 190 more students enrolled. How many students attend Madison Elementary now?

**A** 230  
**B** 380  
**C** 510  
**D** 610

2. There were 213 people in the audience at Erika's recital. Twenty-nine were children. How many adults were at the recital?

**A** 184  
**B** 204  
**C** 232  
**D** 242

3. **Estimation** To visit his grandmother, James' family drove 309 miles and then stopped to have lunch. The entire trip is 589 miles. About how many more miles does James' family have left to drive?

**A** 300 miles  
**B** 200 miles  
**C** 150 miles  
**D** 100 miles

4. Find the missing digits in the problem below. Rewrite the subtraction sentence.

$$\begin{array}{r} 917 \\ - 2?? \\ \hline 705 \end{array}$$

\_\_\_\_\_

Use the table for problems 5 and 6.

Number of Books Read	
Class 4A	875
Class 4B	750
Class 4C	925

5. The fourth-grade students at Milton Elementary kept track of the number of books they read. Which class read the greatest number of books?

\_\_\_\_\_

6. How many more books did Class 4A read than Class 4B?

\_\_\_\_\_

1. Elizabeth is baking cookies for her birthday party. She has invited 12 people to her party. She wants each guest to have 2 cookies. How many cookies does she need to bake for her guests?

**A** 20  
**B** 22  
**C** 24  
**D** 26

2. There were 32 students going on a field trip. Each van could carry 8 students. Which number sentence is in the same fact family as  $32 \div 8 = \square$  ?

**A**  $4 \times \square = 32$   
**B**  $32 \times 8 = \square$   
**C**  $\square \times 4 = 8$   
**D**  $8 \times 8 = \square$

3. **Mental Math** In which number sentence does 5 make the equation true?

**A**  $3 \times 2 = \square$   
**B**  $\square \times 6 = 42$   
**C**  $9 \times \square = 45$   
**D**  $\square \times 3 = 18$

4. Complete the fact family below.

$$4 \times \underline{\quad} = 20$$

$$\underline{\quad} \times 4 = 20$$

$$\underline{\quad} \div 5 = 4$$

$$20 \div \underline{\quad} = 5$$

5. Complete the fact family below.

$$\underline{\quad} \times 6 = 42$$

$$\underline{\quad} \times 7 = 42$$

$$42 \div 7 = \underline{\quad}$$

$$\underline{\quad} \div 6 = 7$$

6. Arthur, Jorge, and Dylan collected 328 cans for recycling all together. Arthur collected 105 and Jorge collected 112. How many did Dylan collect?

\_\_\_\_\_

1. Which of the following has a 9 in the hundreds place?

**A** 199  
**B** 259  
**C** 392  
**D** 923

2. Yvette's computer has a folder with files shown in rows and columns. There are 4 rows and 8 columns. Which number sentence shows how many files the folder has?

**A**  $4 \times 8 = 32$   
**B**  $8 - 4 = 4$   
**C**  $4 + 8 = 12$   
**D**  $8 \div 4 = 2$

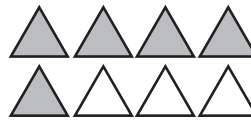
3. Nick has 700 baseball cards. He gives 374 to his younger sister. How many baseball cards does Nick have now?

**A** 226  
**B** 276  
**C** 326  
**D** 436

4. What kind of figure has 3 sides?

**A** Square  
**B** Triangle  
**C** Pentagon  
**D** Trapezoid

5. What fraction of the triangles is shaded?



**A**  $\frac{1}{2}$   
**B**  $\frac{3}{8}$   
**C**  $\frac{5}{8}$   
**D**  $\frac{6}{8}$

6. Nina has 465 pennies in a jar. Daryl has 348 pennies in a jar. How many pennies do they have all together?

\_\_\_\_\_

7. The table shows how many marbles four friends have in their collections. Write the amounts in order from greatest to least.

\_\_\_\_\_

**Marble Collections**

Person	Number
Sven	580
Rita	572
Wendy	610
Carlos	602

Choose the best answer.

1. José has 22 marbles and 2 jars. He places the same number of marbles in each jar. How many marbles are in each jar?

**A** 11  
**B** 20  
**C** 24  
**D** 44

2. Which fraction below has a different value from the others?

$\frac{1}{2}$ ,  $\frac{1}{3}$ ,  $\frac{3}{6}$ ,  $\frac{4}{8}$

**A**  $\frac{1}{2}$   
**B**  $\frac{1}{3}$   
**C**  $\frac{3}{6}$   
**D**  $\frac{4}{8}$

3. There are 10 years in a decade. How many decades are there in 90 years?

**A** 9  
**B** 8  
**C** 7  
**D** 6

4. Of the 28 students in Ms. Marsh's class, 15 walk to school. How many of the students find some other way to get to school?

**A** 43  
**B** 33  
**C** 13  
**D** 3

5. **Mental Math** Which number makes both number sentences true?

$$56 \div \square = 8$$

$$8 \times \square = 56$$

6. Tim needs 18 pens. He can buy them in packages of 6, 9, or 12. He will buy only one type of package. Which packages could Tim buy? Write two different ways that Tim could buy exactly 18 pens.

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7. A group of 9 people spent \$78 to go to the movies. Adult tickets cost \$10 each and student tickets cost \$8 each. How many adult tickets were purchased?

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Choose the best answer.

1. While on vacation, Ming collected 8 stones from the beach. She sorted her stones by color. The table below shows Ming's stone collection.

**Ming's Stone Collection**

Color	White	Brown	Yellow	Blue
Number	2	1	3	2

What fraction of Ming's collection is yellow?

- A  $\frac{1}{6}$                       C  $\frac{3}{8}$   
 B  $\frac{1}{3}$                         D  $\frac{1}{4}$
2. David's bowling scores are shown in the table below.

**Bowling Scores**

Game	Score
1	175
2	137
3	146

What was David's score for these 3 games?

- A 358                      C 457  
 B 447                      D 458
3. Which is an example of the Associative Property of Addition?
- A  $4 + 7 = 7 + 4$   
 B  $(3 + 9) + 6 = 3 + (9 + 6)$   
 C  $8 + 0 = 8$   
 D  $9 + 5 = 7 + 7$

4. Five friends played ring toss at the school fair. Bill went first. Marlene went after Tony. Jill went before Tony. If Jamal went last, who went second?
- \_\_\_\_\_

5. What is the tenth number in the pattern below?  
 2, 5, 8, 2, 5, 8, ...
- \_\_\_\_\_

6. Draw a figure that shows  $\frac{1}{4}$  shaded.

7. **Mental Math** Brad waited on 20 customers in 4 hours. He waited on the same number of customers each hour. How many customers did he wait on each hour?
- \_\_\_\_\_



Choose the best answer.

1. There are 21 students in one class and 19 in another. The lab has 34 computers. How many students will need to share a computer when both classes are in the lab at the same time?

A 12  
B 9  
C 7  
D 6

2. **Mental Math** Keira runs 8 blocks every day. What is the total number of blocks Keira runs in a week?

A 56  
B 49  
C 42  
D 15

3. What is the next number in the pattern below?  
63, 52, 41, 30, \_\_\_\_\_

A 29  
B 21  
C 19  
D 11

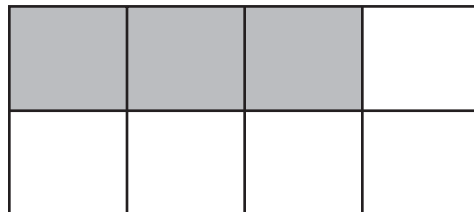
4. Find the product.

$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

5. Warren has \$726 in his savings account. He wants to buy a bicycle that costs \$348. If he buys the bike, how much money will be left in his savings account?

\_\_\_\_\_

6. What fraction of the figure is shaded?



\_\_\_\_\_

7. What is a rule for the pattern below?  
9, 16, 23, 30, ...

\_\_\_\_\_

8. **Mental Math** There are 8 people in each cleanup group. A total of 72 people will participate in the cleanup. How many groups are there?

\_\_\_\_\_

Choose the best answer.

1. What is the missing number in the table below?

Hands	Fingers
2	10
4	20
6	
8	40

- A** 22  
**B** 28  
**C** 30  
**D** 32
2. What are the next three numbers in the pattern below?  
 7, 9, 3, 1, 7, 9, 3, 1, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- A** 9, 3, 1  
**B** 7, 9, 1  
**C** 7, 9, 3  
**D** 3, 7, 9
3. Bill has 4 letter blocks: *A*, *B*, *C*, and *D*. In how many different ways can Bill arrange the blocks in a row?
- A** 6  
**B** 12  
**C** 18  
**D** 24

4. Compare. Use  $<$ ,  $>$ , or  $=$ .

$$\frac{3}{8} \bigcirc \frac{3}{4}$$

5. Mandy, Brandy, and Sandy all went out for ice cream. They ordered vanilla, chocolate, and strawberry. Each girl ordered 1 flavor.
- Mandy did not order vanilla.
  - Sandy did not order chocolate.
  - Brandy always orders strawberry.

Who ordered each flavor?

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6. **Mental Math** Find the product.

$$8 \times 11 = \boxed{\phantom{00}}$$

7. What is the next number in the pattern below?

$$3, 6, 9, 12, \underline{\hspace{2cm}}$$

Choose the best answer.

1. For an exercise program, Sheila jogs 35 minutes on Monday, 40 minutes on Tuesday, 45 minutes on Wednesday, and 50 minutes on Thursday. If the pattern continues, how many minutes will she jog on Saturday?

- A 55 minutes
- B 65 minutes
- C 60 minutes
- D 45 minutes

2. **Estimation** Gerry sold 43 energy-saving light bulbs for a fund raiser. Mindy sold 78 energy-saving light bulbs. About how many more energy-saving light bulbs did Mindy sell?

- A 20
- B 25
- C 30
- D 40

3. There are 12 eggs in one dozen. How many eggs are there in 8 dozen?

- A 80
- B 84
- C 92
- D 96

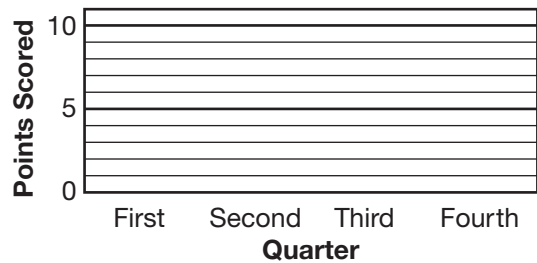
4. The table shows the number of points scored in each quarter.

**Points Scored by Quarter**

Quarter	Points Scored
First	3
Second	7
Third	10
Fourth	8

Complete the bar graph.

**Points Scored by Quarter**

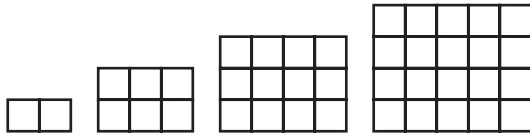


5. **Mental Math** It takes 48 minutes for Mickey to walk 6 laps around the park. How many minutes does it take Mickey to walk 1 lap?

\_\_\_\_\_

Choose the best answer.

1. How many small squares are in the next figure in the pattern below?



- A** 24  
**B** 30  
**C** 36  
**D** 40
2. Ben cut his peanut butter and jelly sandwich into four equal pieces. He ate one piece. What is the fraction of the sandwich that Ben ate?
- A**  $\frac{3}{4}$   
**B**  $\frac{1}{2}$   
**C**  $\frac{1}{4}$   
**D**  $\frac{1}{8}$
3. Which of the following activities will take about one hour to finish?
- A** Jumping into a pool  
**B** Listening to an entire CD  
**C** Driving across Texas  
**D** Reading a sentence of a book

4. Compare  $<$ ,  $>$ , or  $=$ .

$\frac{1}{4}$  ○  $\frac{3}{8}$

5. Kristen scored four 3-point field goals, two 2-point field goals, and seven free throws. Free throws are worth 1 point each. How many points did Kristen score?
- \_\_\_\_\_

6. What is a rule for the table below?

Teams	Players
2	12
5	30
8	48
12	72

7. Use the Associative Property of Multiplication to find this product.  
 $8 \times 5 \times 2$
- \_\_\_\_\_

- Which digit is in the thousands place in the number 98,732?  
**A** 3  
**B** 7  
**C** 8  
**D** 9
- What is the word form of 73,922?  
**A** Seventy-three thousand, nine hundred twenty-two  
**B** Seventy thousand, three hundred ninety-two  
**C** Seventy thousand, nine hundred two  
**D** Seventy-three thousand, ninety-two
- Selena rode the train 17 miles last week. Horatio rode the train 24 miles in the same week. How many more miles did Horatio ride the train than Selena?  
**A** 7 miles  
**B** 8 miles  
**C** 31 miles  
**D** 41 miles

- About how many inches long is the caterpillar shown below?  
\_\_\_\_\_



- Write the time shown on the clock.  
\_\_\_\_\_



- Estimation** Shari has \$47. How much money does she have, rounded to the nearest ten dollars?  
\_\_\_\_\_

Choose the best answer.

- Which of the following shows 564 in word form?
  - five hundred sixty-six
  - five hundred sixty-four
  - five hundred forty-six
  - five hundred sixty
- Which numbers continue the pattern?  
3, 7, 3, 8, 3, 7, 3, 8, 3, 7, 3, 8
  - 3, 8, 3, 7
  - 7, 3, 8, 3
  - 3, 7, 3, 8
  - 8, 3, 7, 3
- Which is the missing number?  
 $4 \times 11 = (4 \times 1) + (4 \times \square)$ 
  - 1
  - 4
  - 10
  - 11

Use the table for problems 4 and 5.

Number of Shirts	Number of Buttons
2	8
3	12
6	24

- The table shows the number of buttons that need to be sewn on different numbers of shirts.  
How many buttons are needed for 9 shirts?  
\_\_\_\_\_
- Mental Math** Two workers are each going to sew buttons on 10 shirts. How many buttons will they need in total?  
\_\_\_\_\_
- Writing to Explain** Mark needs to solve  $56 \div 8 = \square$ . What multiplication fact can he use to find the missing number in this division fact? How will this help him?  
\_\_\_\_\_  
\_\_\_\_\_

1. Which place has the least value in the number 2,387?

- A Thousands place
- B Hundreds place
- C Tens place
- D Ones place

2. How is 3,072 written in expanded form?

- A  $300 + 70 + 2$
- B  $3,000 + 70 + 2$
- C  $3,000 + 700 + 2$
- D  $3,000 + 700 + 20$

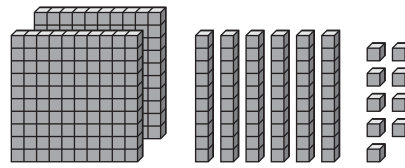
3. Mr. Simpson writes the following numbers: 14 41 18. Which shows the numbers in order from greatest to least?

- A 14 41 18
- B 41 14 18
- C 41 18 14
- D 14 18 41

4. Ben weighed his puppy. Which is most likely the puppy's weight?

- A 8 pounds
- B 80 pounds
- C 800 pounds
- D 8,000 pounds

5. Which shows the number in standard form?



- A 2,069
- B 369
- C 269
- D 69

6. **Mental Math** Stephanie had 22 marbles. She gave Maggie and Sam each 4 marbles. Explain how you can find how many marbles Stephanie has left.

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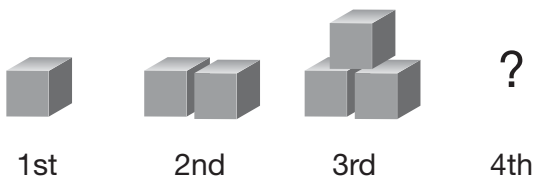
- Which digit is in the ten thousands place in the number 630,715?
  - A 7
  - B 5
  - C 3
  - D 0

- The table below shows the number of baseball cards each friend has.

Friend	Number of Baseball Cards
Rita	25
Miguel	50
Len	51
Jodie	60
Angela	250

Which friend has twice as many baseball cards as Rita?

- A Jodie
  - B Miguel
  - C Len
  - D Angela
- Kelly’s brother is building towers with blocks. How many blocks will be in the fourth tower?



- A 4
- B 5
- C 6
- D 7

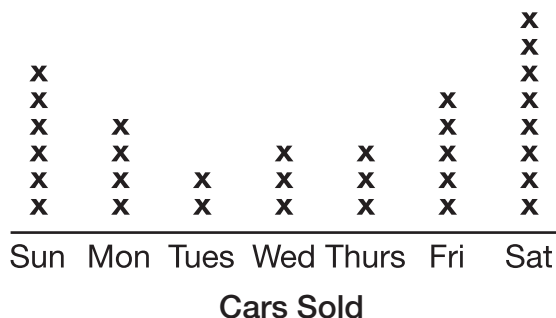
- José’s allowance is \$5.50 per week. How much is that in dollars and dimes?

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- The graph shows the number of cars sold in one week.



On which day were the most cars sold, and how many cars were sold that day?

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- Mental Math** Mary Ann is saving to buy a CD player for her brother’s birthday, which is in December. The CD player costs \$90. If she starts saving in September, and saves equal amounts each month, how much money will she need to save each of the three months?

---



1. What is twenty thousand, eight hundred twelve written in standard form?

- A 28,012
- B 20,812
- C 2,812
- D 2,012

2. Which symbol would make the equation true?

$36 \bigcirc 6 = 6$

- A +
- B -
- C ×
- D ÷

3. Dot drove 2,648 miles on a trip across country. What is this number rounded to the hundreds place?

- A 3,000
- B 2,650
- C 2,640
- D 2,600

4. **Mental Math** What is the perimeter of a square that is 3 inches on one side?

- A 15 inches
- B 12 inches
- C 9 inches
- D 3 inches

5. Order the numbers from least to greatest.

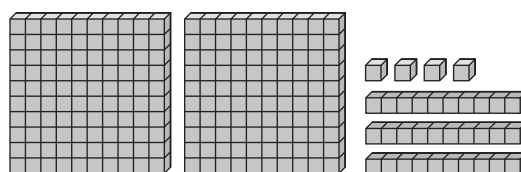
- 146,552
- 145,525
- 145,552

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6. How would you write this number in standard form?




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7. Yul tossed a coin 10 times and recorded the results in the tally chart below.

<b>Heads</b>	///
<b>Tails</b>	### //

How many more times did the coin come up tails than heads?

---

8. Compare. Use  $<$ ,  $>$ , or  $=$ .

$442,287 \bigcirc 442,628$

- Doug has drunk 26,280 cups of water in his life. His brother has drunk 27,160 cups of water and his sister has drunk 25,991 cups. Put the amounts in order from greatest to least.
  - A 25,991; 26,280; 27,160
  - B 26,280; 27,160; 25,991
  - C 27,160; 25,991; 26,280
  - D 27,160; 26,280; 25,991
  
- Steve has 41 cents. Wendy has 32 cents. Norman has 51 cents. Mario has 19 cents. Which shows the order from least to greatest amount?
  - A Steve, Norman, Wendy, Mario
  - B Norman, Steve, Wendy, Mario
  - C Mario, Wendy, Steve, Norman
  - D Wendy, Mario, Steve, Norman
  
- Olivia found some change in her couch. The coins are shown below. What is the value of the change she found?



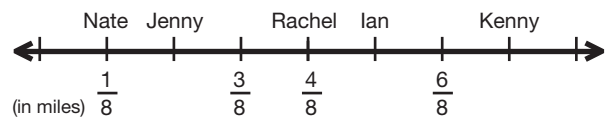
- A \$0.42
- B \$0.52
- C \$0.62
- D \$0.72

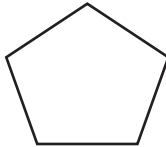
- Paula built a model airplane that has a mass of 6 grams. Carlos built a model airplane that has a mass of  $x$  grams less than Paula's. If  $x = 2$ , what is the mass of Carlos's model?
 

\_\_\_\_\_
  
- Sarah and Vince were playing a game. The winner of the game is the person whose score is closest to 100 points. Sarah scored 93 points. Vince scored 108 points. Who won the game?
 

\_\_\_\_\_
  
- The number line shows how far 5 friends have to walk to school. Who walks  $\frac{7}{8}$  of a mile?
 

\_\_\_\_\_



- Boyd has 3 quarters and 2 nickels. How much does he have?  
**A** 80 cents  
**B** 85 cents  
**C** 90 cents  
**D** 95 cents
- There are 25 students in Mrs. Henley's class. Fourteen of the students are girls. How many of the students are boys?  
**A** 11  
**B** 12  
**C** 14  
**D** 39
- What is fifty-eight thousand written in standard form?  
**A** 580,000  
**B** 58,000  
**C** 5,800  
**D** 580
- Which number has a 6 in the ten thousands place?  
**A** 652,931  
**B** 528,629  
**C** 496,893  
**D** 360,927
- Evan has a shell collection. On Monday, he found 6 new shells. On Tuesday, he gave 9 shells to his friends. After giving the shells away, Evan had 37 shells left. How many shells did Evan have to start with?  
\_\_\_\_\_
- Aretha reads 3 chapters of her book each day. How many days will it take Aretha to finish the book if it has 24 chapters? Write a number sentence to solve the problem.  
\_\_\_\_\_
- Mental Math** Look at the pattern below. What are the next two numbers in the series?  
12, 18, 24, 30, 36, \_\_\_\_\_, \_\_\_\_\_
- What is the name of the polygon shown below?  
  
\_\_\_\_\_

- What is seven hundred eighty thousand, two hundred sixteen written in standard form?  
**A** 780,216  
**B** 708,216  
**C** 78,261  
**D** 78,216
- Mental Math** The fourth-grade class sold 73 tickets for Thursday's basketball game. They sold 99 tickets for Saturday's game. How many tickets did they sell in all? Use mental math to add.  
**A** 25  
**B** 26  
**C** 170  
**D** 172

- Which is **NOT** a way to say the time shown on the clock below?



- Fifteen minutes to eight
  - Seven forty-five
  - Quarter past seven
  - Quarter to eight
- Estimation** What is 21,883 rounded to the nearest hundred?  
 \_\_\_\_\_

- Destiny has 9 more stickers than Shane. Alisa has 7 fewer stickers than Destiny. If Shane has 20 stickers, how many stickers do Destiny and Alisa each have?  
 \_\_\_\_\_  
 \_\_\_\_\_

- Jake jumped 3 feet. Marco jumped 5 feet. Peter jumped 4 feet. How much farther did Jake and Peter jump than Marco? Explain how you found your answer.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

- Which number is missing from the number sentence below?

$$7 + \square + 16 = 31$$

- It takes Kiley 5 minutes to run around the track. How many minutes will it take her to run around the track 5 times? Write a number sentence to solve.  
 \_\_\_\_\_

1. **Mental Math** On Friday, Dave read 27 pages of his new book. On Saturday, he read 62 pages. How many pages did Dave read in two days? Use mental math to add.

**A** 99  
**B** 97  
**C** 89  
**D** 79

2. **Estimation** Marco bought a pair of pants for \$36 and a hat for \$12. About how much did Marco spend?

**A** \$50  
**B** \$46  
**C** \$40  
**D** \$30

3. A newspaper sold 441,902 copies last week. The editor wants to round that number to the nearest ten thousand for a report. Which number will he use in the report?

**A** 400,000  
**B** 440,000  
**C** 441,900  
**D** 442,000

Use the table below for 4 through 7.

The students at Martha's school were surveyed about their favorite animal they saw at the zoo.

Animals	Votes
Lion	216
Tiger	378
Monkey	192
Bear	139

4. Rounded to the nearest ten, how many students voted for the bear?

\_\_\_\_\_

5. About how many students voted for the lion and the tiger all together?

\_\_\_\_\_

6. How many more students voted for the monkey than for the bear?

\_\_\_\_\_

7. Write a number sentence to show about how many students voted in all.

\_\_\_\_\_

1. Paula's family sells lemonade at county fairs during the summer. The chart below shows how many cups of lemonade they sold each month.

**Lemonade Sales**

Month	Number of Cups Sold
May	410
June	1,438
July	4,899
August	2,145
TOTAL	

What was the total number of cups Paula's family sold?

- A** 8,453  
**B** 8,763  
**C** 8,882  
**D** 8,892
2. **Estimation** What is 12,389 rounded to the nearest hundred?  
**A** 12,000  
**B** 12,300  
**C** 12,390  
**D** 12,400
3. If there are 200 bees in 1 hive, how many bees are in 5 hives?  
**A** 1,000  
**B** 800  
**C** 700  
**D** 400

4. Jasmine handed out fliers for a charity event. She started with 75 fliers and ended with 21. How many fliers did Jasmine hand out? Show your work.

---

5. Multiply  $12 \times 4$ .

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6. Multiply  $2 \times 10$ .

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- Which number is thirty-two thousand, four hundred eight written in standard form?
  - 32,480
  - 32,408
  - 30,248
  - 30,240
- The Wolves sold 4,038 tickets to their soccer game. The Leopards sold 4,048 tickets to their game. Which shows the correct way to compare 4,038 and 4,048?
  - $4,038 < 4,048$
  - $4,038 > 4,048$
  - $4,038 = 4,048$
  - $4,038 \div 4,048$
- Estimation** Alvin rounded the number 336,457 to 340,000. To what place did Alvin round the number?
  - Tens
  - Hundreds
  - Thousands
  - Ten thousands

- Norman answered the following question below.

Lilith brought 20 cans to the food drive. Marcus brought 7 cans to the food drive. If Paulina brought 8 more cans than Lilith and Marcus combined, how many cans did Paulina bring?

Paulina's Donation = ?

-----		
20	7	8

$$20 + 7 + 8 = 35$$

So, Paulina brought 35 cans to the food drive.

Did Norman answer the question correctly? Is his work correct? Explain.

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- 1. Mental Math** A florist delivered 24 flowers for a birthday party and 48 flowers for a wedding. How many flowers did the florist deliver for both events? Use mental math to add.

  - A** 72
  - B** 70
  - C** 62
  - D** 24
  
- 2.** Rosita has \$10.00. She buys a sundae for \$4.00 and a milk shake for \$3.00. How much money does she have left?

  - A** \$5.00
  - B** \$4.00
  - C** \$3.00
  - D** \$2.00
  
- 3. Estimation** Bay City has a population of 49,542. What is Bay City's population rounded to the nearest thousand?

  - A** 49,000
  - B** 49,542
  - C** 50,000
  - D** 60,000
  
- 4.** Jack travels 9 miles each day on the school bus. How many miles does Jack travel in 5 days?

\_\_\_\_\_
  
- 5.** At its furthest point, the moon is 252,088 miles away from the Earth. Jillene said that the moon is about 250,000 miles away from the Earth. To what place did Jillene round the number?

\_\_\_\_\_



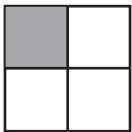
1. A piece of land has an area of about 65,755 square miles. What is the value of the 6 in this number?

**A** 60  
**B** 600  
**C** 6,000  
**D** 60,000

2. Which of these measurements best describes the weight of an envelope?

**A** 2 ounces  
**B** 2 inches  
**C** 2 pounds  
**D** 2 tons

3. What fraction of the square shown below is shaded?



**A**  $\frac{1}{4}$   
**B**  $\frac{1}{3}$   
**C**  $\frac{1}{2}$   
**D**  $\frac{3}{4}$

4. **Estimation** When Sally started an art project she had 2 pieces of ribbon. One piece measured about 17 inches and the other measured about 42 inches. After finishing the project, Sally had about 22 inches of ribbon left. About how many inches of ribbon did Sally use?

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5. Jennifer says that  $\frac{3}{3}$  is equal to  $\frac{5}{5}$ . Is she correct? Explain why or why not.

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



1. Sanjay has 6 pages of baseball cards. Each page holds 6 cards. How many cards does he have in all?

- A 12
- B 30
- C 36
- D 42

2. **Mental Math** On Field Day, the fourth-grade class splits up into 8 teams of 5 students each. How many students are in the fourth-grade class?

- A 40 students
- B 35 students
- C 25 students
- D 13 students

3. Which circle is  $\frac{2}{3}$  shaded?

- A 
- B 
- C 
- D 

4. If there are 4 quarters in one dollar, how many quarters are in five dollars?

\_\_\_\_\_

5. Describe how to find the perimeter of a rectangle that is 9 feet long and 4 feet wide.

\_\_\_\_\_

\_\_\_\_\_

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1. What are the next three numbers in the pattern below?  
55 50 45 40 35 \_\_\_\_\_  
**A** 30 35 40  
**B** 30 25 20  
**C** 15 20 25  
**D** 35 45 55
2. Mr. Kim's class earned 8 perfect attendance certificates in the first quarter. If the class doubled that number in the second quarter, how many certificates did Mr. Kim's class earn in the second quarter?  
**A** 64  
**B** 32  
**C** 18  
**D** 16
3. What is the number below the fraction bar in a fraction called?  
**A** Denominator  
**B** Numerator  
**C** Mixed number  
**D** Unit fraction
4. **Mental Math** A scout troop collected 20 pounds of trash on Saturday and twice as much trash on Sunday. How many pounds of trash were collected on Sunday?  
**A** 80 pounds  
**B** 40 pounds  
**C** 22 pounds  
**D** 20 pounds

5. The distance between Boston and Cincinnati is 840 miles. The distance between Boston and Philadelphia is 296 miles. How many miles closer is Philadelphia to Boston than Cincinnati to Boston?  
\_\_\_\_\_

6. Planks cost \$3 each and plywood sheets cost \$5 each. Nick purchased 9 planks and 2 sheets of plywood. How much money did Nick spend all together? Explain how you solved the problem.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_





1. **Mental Math** A telephone keypad has 3 buttons per row. If there are 4 rows of buttons, how many buttons are on the keypad?

- A 7
- B 10
- C 12
- D 15

2. Peter jogs 2 miles every day. How many miles does Peter jog in one week?

- A 35 miles
- B 28 miles
- C 14 miles
- D 12 miles

3. Which shape below is NOT divided into 8 equal parts?

- A 
- B 
- C 
- D 

4. Penny wants to buy an electric scooter that costs \$180. She also needs to buy a helmet, which costs \$38. How much money does she need in all?

\_\_\_\_\_

5. Look at the table below. Write the name of the person who raised the most money and the name of the person who raised the least money. Then explain how you decided.

**Money Raised at Book Fair**

Person	Amount Raised
Mr. Grindlow	\$287
Ms. Miller	\$285
Ms. Daisy	\$321
Mr. Jameson	\$305

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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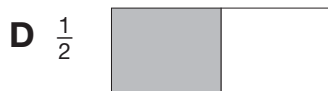
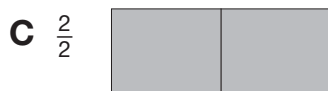
1. Jimmy’s brother is 6 years old. Jimmy is twice as old as his brother. How old is Jimmy?

- A 3 years old
- B 12 years old
- C 18 years old
- D 32 years old

2. A classroom has 32 desks arranged in 4 rows. Each row has an equal number of desks. How many desks are in each row?

- A 9
- B 8
- C 7
- D 6

3. Which of the fractions below is the greatest?



4. **Mental Math** There are 30 rows of apple trees in an apple orchard. If there are 9 trees in each row, how many trees are there in all?

\_\_\_\_\_

5. Use the numbers 3, 4, and 12 to write a fact family. Then explain how you knew whether to write addition and subtraction sentences or multiplication and division sentences.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

1. There are 33,201 people living in Harold's town. There are 8,295 people living in Nancy's town. How many people live in both towns?

A 31,496  
B 33,496  
C 41,496  
D 48,496

2. Which of the fractions below is NOT equal to  $\frac{1}{2}$ ?



3. Ben's team scored 63 points in the first half of a basketball game. His team won the game by a score of 124 to 103. How many points did his team score in the second half?

A 21 points  
B 31 points  
C 40 points  
D 61 points

4. A group of 9 students want to share 72 counters equally. How many counters should each student get?

A 7  
B 8  
C 9  
D 10

5. Juanita got a score of 23,486 points while playing a video game. The highest score ever for the game was 25,958. How many more points would Juanita need to tie the highest score?

\_\_\_\_\_

6. **Estimation** George read 123 pages in a book yesterday and 85 pages today. He plans to read about 200 pages over the next two days. Estimate the total number of pages he will have read over the 4 days. Explain how you found your answer.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

1. Larry scored 81 points in 9 basketball games. He scored the same number of points in each game. How many points did he score per game?

**A** 5  
**B** 7  
**C** 9  
**D** 12

2. Will had 23 CDs in his collection. He gave some away to a friend. Now Will has 16 CDs. How many CDs did he give away?

**A** 8  
**B** 7  
**C** 6  
**D** 5

3. **Estimation** Ashley read a book that had 183 pages. Then she read another book that had 173 pages. About how many pages did Ashley read in all?

**A** 400 pages  
**B** 300 pages  
**C** 200 pages  
**D** 100 pages

4. The product of two numbers is 45. Their sum is 14. What are the two numbers?

**A** 8 and 6  
**B** 9 and 5  
**C** 10 and 4  
**D** 11 and 3

5. Use breaking apart to complete the calculation.

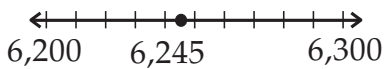
$$4 \times 23 = \square$$

\_\_\_\_\_

6. Cara filled 108 pages in a photo album. If she put 4 pictures on each page, how many pictures are in the album? How do you know your answer is reasonable?

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- Find  $8,365 - 1,174$ .
  - A 6,191
  - B 7,181
  - C 7,191
  - D 7,291
- 2. Estimation** A bank bag holds 6,245 pennies. What is 6,245 rounded to the nearest hundred?



- A 7,000
  - B 6,300
  - C 6,250
  - D 6,200
- Which number sentence is true if the number 1,426 replaces the box?

- A  $1,326 > \square$
- B  $\square < 1,467$
- C  $1,624 < \square$
- D  $\square = 1,462$

- Which number sentence is NOT in the same fact family as the others?
  - A  $6 \times 9 = 54$
  - B  $9 \times 6 = 54$
  - C  $54 \div 9 = 6$
  - D  $54 \div 3 = 18$
- There are 396 adults, 137 children, and 78 dogs living in an apartment building. How many people live in the building?

\_\_\_\_\_

- What are the next two numbers in the pattern below? Describe the pattern, and explain how you used the pattern to find the next two numbers.

98 87 76 65 54 43 \_\_\_\_\_

\_\_\_\_\_

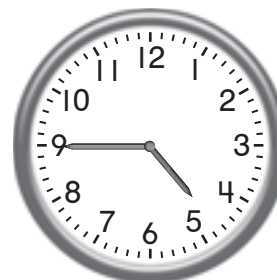
\_\_\_\_\_

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1. Which digit is in the hundreds place in 42,102?
  - A 0
  - B 1
  - C 2
  - D 4
  
2. Some members of the Ruiz family are getting tickets for Fireworks Night at the ballpark. 17 of the tickets they get are for children and 13 are for adults. How many tickets did they buy in all?
  - A 4
  - B 20
  - C 30
  - D 37
  
3. **Mental Math** Steve’s plant is 12 inches tall. Jennifer’s plant is 15 inches tall. How much taller is Jennifer’s plant than Steve’s?
  - A 3 inches
  - B 4 inches
  - C 15 inches
  - D 27 inches

4. What time is shown on the clock below?



- A 5:45
  - B 5:00
  - C 4:45
  - D 4:09
- 
5. Hector has 11 model trains. On each model train there are 8 wheels. How many wheels are on Hector’s model trains?
 

\_\_\_\_\_
  
  6. **Estimation** Sasha has 8 pets. Lucia has 17 pets. How many pets do they have together rounded to the nearest ten? Explain how you found your answer.
 

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

1. The chart below shows the number of students enrolled in four elementary schools in the same district. Which school has the most students?

**District Enrollment**

School	Number of Students
Adams	4,341
Clark	4,371
Braintree	4,322
Dumont	4,327

- A** Adams  
**B** Braintree  
**C** Clark  
**D** Dumont
2. **Estimation** Sid read 6 books on snakes. Each book was 96 pages long. Which shows the most reasonable estimate of how many pages Sid read?
- A**  $10 \times 100 = 1,000$   
**B**  $10 \times 96 = 960$   
**C**  $6 \times 100 = 600$   
**D**  $5 \times 100 = 500$
3. Carlos is trying out his new scooter. Use the pattern to find how many miles Carlos will ride in 5 hours.

<b>Time (hours)</b>	1	2	3
<b>Distance (miles)</b>	10	20	30

- A** 10  
**B** 40  
**C** 50  
**D** 140

4. The state fair was open for 4 days. Stewart went to the fair all 4 days. He bought 9 tickets each day. How many tickets did Stewart buy in all?

- A** 28  
**B** 30  
**C** 32  
**D** 36

5. The number of fans who went to see the swim meet was 9 times the number of swimmers on the team. If the team has 30 swimmers, how many fans came to see the swim meet?

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6. Write the number 8,011 in expanded form. Explain the value of each digit.

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1. There are 3,923 students at Westville High School. What is the value of the 9 in 3,923?

**A** 9,000  
**B** 900  
**C** 90  
**D** 9

2. Find  $600 - 443$ .

**A** 157  
**B** 167  
**C** 257  
**D** 267

3. Zoe had 10 cookies and made 5 more. Which expression indicates how many cookies Zoe has now?

**A**  $10 - 5$   
**B**  $10 + 5$   
**C**  $10 \times 5$   
**D**  $10 \div 5$

4. Which multiplication fact can help you find  $32 \div 4$ ?

**A**  $2 \times 8$   
**B**  $3 \times 8$   
**C**  $4 \times 6$   
**D**  $4 \times 8$

5. Which symbol makes the statement below true?

$$102,732 \bigcirc 103,832$$

**A**  $<$   
**B**  $>$   
**C**  $=$   
**D**  $\times$

6. **Estimation** The folding lawn chairs Mr. Brady likes cost \$17 each. He bought 5 of them. Estimate how much money, in dollars, he spent in all.

\_\_\_\_\_

7. Find  $5 \times 32$ . Use a drawing to help. Explain the steps you used to find your answer.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

- Abby is making bead bracelets to give to her friends and family. So far, she has used 436 beads. She still has 172 beads left. How many beads did Abby have when she started?  
**A** 528  
**B** 558  
**C** 608  
**D** 618
- Mental Math** In the word MISSISSIPPI, how many more S's are there than P's?  
**A** 4  
**B** 3  
**C** 2  
**D** 1
- Julie collected 74 cans for the food drive. Lou collected 49 cans. How many more cans did Julie collect than Lou?  
**A** 11  
**B** 25  
**C** 35  
**D** 41
- Which number has a 3 in the ten thousands place?  
**A** 781,321  
**B** 432,413  
**C** 302,714  
**D** 283,306
- The fourth-grade class is taking 3 buses to go on a field trip to the science museum. How many people are going on the field trip if all 3 buses have 45 people on board?  
\_\_\_\_\_
- Write the next two numbers in this pattern. Explain how you found your answer.  
9    18    36    \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

- 1. Estimation** Mrs. Jackson has 806 CDs. How many CDs does she have rounded to the nearest ten?  
**A** 800  
**B** 805  
**C** 810  
**D** 900
- Harvey can read 17 pages in one hour. In one week, he spent 6 hours reading. How many pages did Harvey read that week?  
**A** 102  
**B** 42  
**C** 23  
**D** 11
- What next three numbers continue the pattern?  
8, 1, 6, 5, 8, 1, 6, 5, 8  
**A** 1, 6, 5  
**B** 5, 8, 1  
**C** 6, 5, 8  
**D** 8, 1, 6
- A hardware store has 1,056 boxes of long nails and 502 boxes of short nails. How many more boxes of long nails are there than boxes of short nails?  
**A** 504  
**B** 553  
**C** 554  
**D** 1,554
- Wendell has 213 craft sticks. He uses 114 craft sticks to make a model house. How many does he have left over?  
\_\_\_\_\_  
\_\_\_\_\_
- There are 24 hours in one day. Write an equation to find how many hours there are in one week. Then explain how you can solve the equation.  
\_\_\_\_\_  
\_\_\_\_\_

1. **Mental Math** Micah collected shells on the beach during her summer vacation. If she collected 10 shells each day of her 5-day vacation, how many shells did she collect in all?

- A 15
- B 30
- C 50
- D 60

2. Which number sentence describes the array shown below?



- A  $10 \times 25 = 35$
- B  $10 \times 25 = 250$
- C  $10 \times 25 = 520$
- D  $10 \times 25 = 2,500$

3. Mr. Horn, the band teacher, wants to split the band into 4 equal groups. There are 36 members in the band. Which shows how many students will be in each group?

- A  $36 + 4$
- B  $36 - 4$
- C  $36 \div 4$
- D  $36 \times 4$

4. Susana has \$30. She plans to buy a game that costs \$16 and a game that costs \$11. How much money will she have left over?

- A \$27
- B \$26
- C \$4
- D \$3

5. The distance from Michael's house to his grandmother's house is 84 miles round trip. If Michael visits his grandmother 9 times a year, how many miles does he travel?

\_\_\_\_\_

6. Describe how you can find the next two numbers in the pattern.

8 16 32 \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1. Why is 4,532 less than 4,541?

- A It has fewer ones.
- B It has fewer tens.
- C It has fewer hundreds.
- D It has fewer thousands.

2. The table below shows how many magazines four schools sold in a fundraiser. Which school sold the least number of magazines?

School	Magazines Sold
Lane School	1,569
Jefferson School	1,539
Smith School	1,505
Lincoln School	1,560

- A Lane School
- B Jefferson School
- C Smith School
- D Lincoln School

3. Rick makes 50 picture frames each week. How many frames does he make in 20 weeks?

- A 300
- B 700
- C 1,000
- D 1,500

4. **Estimation** Last year, 288 people saw the school play. This year, 91 more people saw the play. What is the best estimate of how many people saw the play this year?

- A 300 people
- B 400 people
- C 500 people
- D 600 people

5. Kurt has 316 books. Jenna has 321 books. Dale has 99 books. How many books do they have in all?

\_\_\_\_\_

6. Mr. Silva has 8 boxes of drills at his store. Each box has 24 drills. How many drills does Mr. Silva have? Explain how you found your answer.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

1. Nola earns \$62 each week walking dogs. About how much money does Nola make in 52 weeks?
  - A \$3,000
  - B \$300
  - C \$110
  - D \$10
2. Seven students are planning to take an exercise class. If the cost is \$12 for each student, how much will it cost for all 7 students to take one class?
  - A \$80
  - B \$82
  - C \$84
  - D \$86
3. What is 554,303 rounded to the nearest hundred thousand?
  - A 500,000
  - B 550,000
  - C 554,000
  - D 600,000
4. Kelly is buying two front row tickets for \$35 each and two bleacher tickets for \$15 each. How much money will she spend on the tickets?
  - A \$100
  - B \$70
  - C \$50
  - D \$30
5. **Estimation** What is 4,875 rounded to the nearest hundred?  
\_\_\_\_\_  
\_\_\_\_\_
6. Scott has \$49 to spend on model cars. The models cost \$9 each. How many models can Scott buy? How much more money will he need to buy another model? Explain your answer.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



1. A worker makes 49 folding chairs in 1 hour. Which is the best estimate of how many folding chairs the worker makes in 7 hours?

**A** 7  
**B** 50  
**C** 70  
**D** 350

2. Madison read 13 pages of her book, each day. How many pages did she read in 4 days?

**A** 52  
**B** 42  
**C** 17  
**D** 3

3. In which number sentence does 8 make the equation true?

**A**  $24 \div \square = 3$   
**B**  $36 \div 4 = \square$   
**C**  $63 \div \square = 7$   
**D**  $81 \div 9 = \square$

4. What is the sum of  $8,237 + 504 + 4,730 + 1,823$ ?

**A** 14,290  
**B** 14,294  
**C** 15,290  
**D** 15,294

5. **Mental Math** Which number would complete the equations below?

$$\square \div 7 = 8$$

$$\square \div 8 = 7$$

**A** 87  
**B** 78  
**C** 56  
**D** 15

6. Yvette took 21 friends to the school play. Each ticket cost \$3. How many dollars did Yvette spend all together on the tickets for her friends?

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7. Max says 14,865 rounds to 14,900. Carl says it rounds to 14,870. Rhoda says it rounds to 15,000. Who is correct? Explain how you know.

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Carla is keeping track of the number of tomatoes that she picks in her garden. The table below shows the number of tomatoes that she has picked each day this week.

**Tomatoes Picked**

Day	Number of Tomatoes
Monday	6
Tuesday	4
Wednesday	7
Thursday	9
Friday	6

For **1** and **2**, use the table.

- What is the total number of tomatoes that Carla has picked so far this week?  
**A** 30  
**B** 31  
**C** 32  
**D** 33
- The total number of tomatoes that Carla has picked this summer is 4 times the number she picked on Wednesday and Thursday combined. How many tomatoes has she picked this summer?  
**A** 64  
**B** 62  
**C** 60  
**D** 16
- Which statement comparing numbers is true?  
**A**  $675 < 631$   
**B**  $675 = 631$   
**C**  $631 > 675$   
**D**  $631 < 675$
- Ted has 16 pigs on his farm. He wants to put the same number of pigs in each of 4 pens. How many pigs will he put in each pen?  
\_\_\_\_\_  
\_\_\_\_\_
- Jorge went to the store with \$200. He bought a sweatshirt for \$22 and shoes for \$27. How much money did he have left after those purchases? Explain.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1. State parks are popular places to visit. The table below shows how many people visited a park in four different years.

Year	Number of Visitors
2008	40,648
2009	81,355
2010	33,837
2011	54,022

Which choice lists the years in order by greatest to least number of visitors?

- A 2008, 2009, 2010, 2011
  - B 2011, 2008, 2010, 2009
  - C 2009, 2008, 2011, 2010
  - D 2009, 2011, 2008, 2010
2. The first Ferris wheel was a hit at the 1893 Chicago World's Fair. Each of its 36 cars carried 40 riders. How many riders filled 20 cars?

- A 80
- B 600
- C 800
- D 8,000

3. **Mental Math** Annan ate 1 slice of pizza for dinner. He ate 4 times as many slices the next day for lunch. How many slices of pizza did Annan eat for lunch?

- A 1
- B 3
- C 4
- D 5

4. At a theme park, 72 people waited to board the SplashMaster water ride. Each car holds 8 riders. How many cars can be filled by the people waiting?

\_\_\_\_\_

5. Describe the pattern below. Draw the next shape in the pattern.



\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

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1. Which table shows the partial products for  $26 \times 15$ ?

**A**

	10	5
20	100	200
6	60	100

**B**

	10	5
20	200	10
6	60	30

**C**

	10	5
20	200	100
6	600	30

**D**

	10	5
20	200	100
6	60	30

2. Bill was counting members of his team by fours. The first number he said was 4, then 8, and then 12. What are the next three numbers in the pattern?

- A** 15 18 21  
**B** 14 16 18  
**C** 16 18 20  
**D** 16 20 24

3. **Estimation** Doug and his mother are driving to visit his uncle. They drive 291 miles each day for 3 days. About how many miles do they drive in all?

- A** 1,100 miles  
**B** 900 miles  
**C** 750 miles  
**D** 600 miles

4. Lucy's Diner ordered 4 boxes of plastic forks. Each box contained 125 plastic forks. How many plastic forks did Lucy's Diner order?

\_\_\_\_\_

5. A museum has thousands of shells to see. Tickets cost \$7 for adults and \$4 for youth. The museum is free for anyone under 5. The Baker family is planning to visit with 7 adults, 6 youths, and 3 children under 5. How much will all of their tickets cost? Explain.

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1. What is the number three hundred fifty thousand, nine hundred nine written in standard form?

- A 305,909
- B 305,990
- C 350,909
- D 350,990

2. **Estimation** A basketball arena can hold approximately 7,000 people. Fans bought 5,134 tickets before the game. About how many more seats are left to fill before the game?

- A 5,000
- B 2,000
- C 1,500
- D 1,000

3. **Estimation** Which number is the best estimate for the product of  $73 \times 47$ ?

- A 2,800
- B 3,200
- C 3,500
- D 4,000

4. **Mental Math** It is approximately 1,000 miles from New York City to Tampa. Suppose a pilot travels one way between New York and Tampa 6 times in one week. About how many miles did she travel?

---

5. The buses for Philips Elementary School carry 40 students per bus. The buses go between 25 and 35 miles in one hour. There are 12 buses that bring students to school each day.

What piece of information is NOT needed if you want to determine how many students take the bus to school each day?

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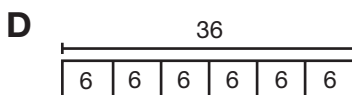
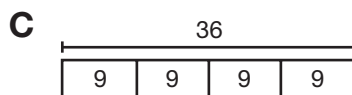
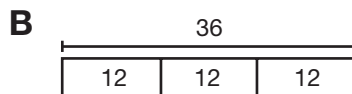
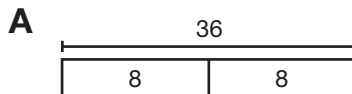
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1. Elijah has a lawn-mowing business. He has 24 customers and he mows each lawn once a week. Which number sentence shows how many lawns Elijah mows in 8 weeks?

- A**  $24 \div 8 = 3$   
**B**  $24 - 8 = 16$   
**C**  $24 + 8 = 32$   
**D**  $24 \times 8 = 192$

2. Andrew has 36 model airplanes. The airplanes hang in groups of 6 from his ceiling. Which model shows how many groups of 6 he has?



3. Which list of numbers is in order from greatest to least?

- A** 1,223, 1,465, 1,452  
**B** 17,621, 17,612, 17,654  
**C** 123,453, 123,457, 123,212  
**D** 272,738, 272,737, 272,736

4. There are 12 houses in Carlos's neighborhood. Each house has 16 windows. How many windows are there in all?

\_\_\_\_\_

5. **Mental Math** Gina bought 8 bags of animal crackers. If each bag holds 9 animal crackers, how many crackers does Gina have in all?

\_\_\_\_\_

6. Mark has 188 books, Erika has 274 books, and Christina has 365 books. How many more books do they need to reach 1,000? Explain.

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1. Grace was born in 1995. How old will she be in 2027?

**A** 22  
**B** 32  
**C** 42  
**D** 132

2. The art museum had 72 visitors who signed up for a guided tour. The guide could take 8 people at a time. Which number sentence is in the same fact family as  $72 \div 8 = \square$ ?

**A**  $8 \times 72 = \square$   
**B**  $\square \times 72 = 8$   
**C**  $8 \times \square = 72$   
**D**  $8 \times 8 = \square$

3. A large marching band has 76 trombones and 110 cornets. How many trombones and cornets are there in all?

**A** 186  
**B** 184  
**C** 86  
**D** 34

4. **Mental Math** Complete the fact family below.

$$6 \times \underline{\quad} = 30$$

$$5 \times \underline{\quad} = 30$$

$$\underline{\quad} \div 5 = 6$$

$$30 \div \underline{\quad} = 5$$

5. Marissa has 4 bags of marbles. Each bag has 4 marbles in it. How many marbles does Marissa have in all?

\_\_\_\_\_

6. There were 18 people at Nick's birthday party at Pizza Playhouse. Each table can seat 6 people. How many tables do they need?

\_\_\_\_\_

1. Tisha is organizing her 64 CDs into boxes. Each box holds 8 CDs. How many boxes does Tisha need?

**A** 8  
**B** 6  
**C** 4  
**D** 2

2. **Mental Math** Shannon gave 35 blueberry muffins to 7 friends. How many muffins did each friend get?

**A** 4  
**B** 5  
**C** 6  
**D** 7

3. In which number sentence does 6 make the equation true?

**A**  $24 \div 8 = \square$   
**B**  $48 \div 8 = \square$   
**C**  $63 \div 9 = \square$   
**D**  $81 \div 9 = \square$

4. Larry reads 42 pages in 7 nights each week. Anna reads 62 pages in 5 nights each week. Who reads more pages in a week?

\_\_\_\_\_

5. Devin bought 2 packs of yogurt. Each pack had 6 cups of yogurt. How many cups of yogurt did Devin buy?

\_\_\_\_\_

6. Complete the fact family below.

\_\_\_\_\_  $\div$  4 = 5

\_\_\_\_\_  $\div$  5 = 4

4  $\times$  \_\_\_\_\_ = \_\_\_\_\_

5  $\times$  \_\_\_\_\_ = \_\_\_\_\_



1. The Smith family is packing to move. Each moving box holds 30 glasses. There are 3 boxes. How many glasses are there?  
**A** 90  
**B** 60  
**C** 33  
**D** 9
2. Samantha drives 2,100 miles each week. How many miles does she drive in 4 weeks?  
**A** 840 miles  
**B** 850 miles  
**C** 8,400 miles  
**D** 8,500 miles
3. Antonio runs 4 miles each day. How many miles does he run in one year? Remember, one year has 365 days.  
**A** 2,240 miles  
**B** 1,640 miles  
**C** 1,460 miles  
**D** 1,240 miles
4. Lola is planning a surprise party for her brother. She is inviting 34 people besides her brother and herself. She can seat 6 people at each table. How many tables will Lola need?  
**A** 5  
**B** 6  
**C** 7  
**D** 8

Make an organized list to solve this problem.

5. Joe does push-ups, sit-ups, and jumping jacks. He does these in a different order every day. How many different orders are possible?  
\_\_\_\_\_

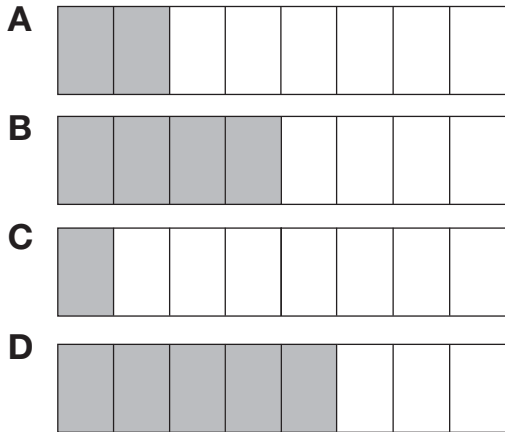
6. **Estimation** Estimate the quotient.  
 $555 \div 8$   
\_\_\_\_\_

7. Multiply.  
$$\begin{array}{r} 37 \\ \times 32 \\ \hline \end{array}$$
  
\_\_\_\_\_

1. Michael has 81 tulip bulbs. He wants to plant them in equal rows of 9. How many rows of tulips will Michael have?  
**A** 7  
**B** 8  
**C** 9  
**D** 10
  
2. Leroy shared 27 granola bars with 9 friends. How many granola bars did each person get?  
**A** 8  
**B** 5  
**C** 4  
**D** 3
  
3. Where would placing the number 4 make the number sentence true?  
**A**  $12 \div 3 = \square$   
**B**  $36 \div \square = 6$   
**C**  $\square \div 2 = 8$   
**D**  $72 \div \square = 9$
  
4. Mrs. Martinez is organizing the desks in her classroom. She makes 6 rows of desks. In each row, there are 5 desks. How many desks are in Mrs. Martinez's classroom?  
\_\_\_\_\_
  
5. Sanjay picked 45 wildflowers and placed them into 5 vases. If each vase held the same amount of wildflowers, how many flowers did each vase hold?  
\_\_\_\_\_
  
6. **Mental Math** There are 9 classrooms at Williams Elementary School. The principal has 360 boxes of chalk. He wants to divide them equally among the classrooms. How many boxes of chalk will each classroom get?  
\_\_\_\_\_

1. **Mental Math** Marcus is reading a book that has 72 pages and 8 chapters. If there are an equal number of pages in each chapter, how many pages are in each chapter?  
**A** 8  
**B** 9  
**C** 10  
**D** 12
  
2. Jamie's dad bought two dozen eggs. How many eggs did he buy? (1 dozen = 12)  
**A** 2  
**B** 6  
**C** 12  
**D** 24
  
3. Chin bought 7 books for \$49. Each book was the same price. How much did each book cost?  
**A** \$9  
**B** \$8  
**C** \$7  
**D** \$6
  
4. What is the place value of the underlined digit?  
865,123  
\_\_\_\_\_
  
5. A number has a 7 in the thousands place, a 2 in the tens place, a 1 in the ones place, and a 0 in the hundreds place. What is the number?  
\_\_\_\_\_
  
6. At Davidson's Restaurant Supplies warehouse, plastic forks come in boxes of 800. Lucy's Diner ordered 50 boxes of plastic forks. How many plastic forks did Lucy's Diner order?  
\_\_\_\_\_

1. Quinn read  $\frac{1}{4}$  of a book. Jesse read the same amount of the book. Which rectangle could show how much of the book Jesse read?



2. Megan has 8 classes each day. How many classes does she have in 9 days?

- A** 48
- B** 72
- C** 86
- D** 96

3. Mr. Farina is 42 years old. He is 7 times as old as his daughter. How old is his daughter?

- A** 6
- B** 7
- C** 8
- D** 9

4. Ned's grandmother turned 64 in 2009. In what year was Ned's grandmother born?

\_\_\_\_\_

5. **Estimation** Doug read 67 pages on Tuesday, 43 pages on Wednesday, and about 50 pages on Thursday. Estimate the total number of pages Doug read over the three days. Explain how you found your estimate.

\_\_\_\_\_

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- Melissa has 19 more stamps than George. If George has 24 stamps, how many stamps does Melissa have?  
**A** 33  
**B** 39  
**C** 43  
**D** 45
- Mental Math** Madison's hair was 10 inches long before she got it cut. She had 3 inches cut off. How many inches long is her hair now?  
**A** 3 inches  
**B** 6 inches  
**C** 7 inches  
**D** 13 inches
- Which shows the numbers in order from greatest to least?  
**A** 24,500; 25,400; 24,900  
**B** 25,400; 24,500; 24,900  
**C** 25,400; 24,900; 24,500  
**D** 24,500; 24,900; 25,400
- Miguel is putting his books away on a bookcase. There are 5 shelves on the bookcase. Miguel has 30 books. How many books should Miguel put on each shelf so that each shelf has an equal number of books?  
\_\_\_\_\_
- Tamika had \$15 to spend at the fair. She played a game for \$2, rode on the Ferris wheel for \$3, and bought a sandwich for \$4. How much money did she have left? Show your work and explain how you found your answer.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1. **Mental Math** Alexandra has 24 flowers. She puts the same number of flowers in each of her vases. How many flowers will be in each vase?



- A 3
- B 4
- C 8
- D 12

2. Diana drew a shape which was divided into equal parts. Which shape did Diana draw?

- A
- B
- C
- D

3. Which shows the numbers in order from least to greatest?

- A 9,856; 9,865; 9,964; 9,846
- B 9,856; 9,846; 9,865; 9,964
- C 9,964; 9,846; 9,865; 9,856
- D 9,846; 9,856; 9,864; 9,965

4. Henry wants to buy a pair of speakers that cost \$325. So far, he has saved \$157. How much more does Henry have to save to buy the speakers?

\_\_\_\_\_

5. Heather wrote a basic multiplication fact, but she covered up some of the numbers. What multiplication fact did she write? Explain how you found the missing numbers.

$$\square \times \square = 49$$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

1. Wayne bought 6 football tickets. Each ticket cost \$26. How much money did he spend?

**A** \$186  
**B** \$182  
**C** \$176  
**D** \$156

2. There are 35 boxes of soup cans on a delivery truck. How many cans of soup are on the delivery truck if there are 30 cans in each box?

**A** 1,050 cans  
**B** 850 cans  
**C** 625 cans  
**D** 425 cans

3. Andrea reads 36 pages each night. How many pages does she read in 42 nights?

**A** 1,502  
**B** 1,512  
**C** 1,552  
**D** 1,582

4. Daniel recycles 48 aluminum cans a week. How many cans does he recycle in 51 weeks?

**A** 2,448  
**B** 2,051  
**C** 584  
**D** 99

5. **Mental Math** Mugs cost \$2 each. How much would it cost to buy 6 mugs?

\_\_\_\_\_

6. Richard ran 12 laps around a 400-meter track. How many meters did Richard run in all?

\_\_\_\_\_

7. Round 6,852 to the nearest thousand.

\_\_\_\_\_

1. The Smith family is packing to move. Each moving box holds 30 glasses. There are 94 glasses and 3 boxes. How many extra glasses are there?  
**A** 4  
**B** 3  
**C** 2  
**D** 1
2. Samantha drives 95 miles each day. How many miles does she drive in 40 days?  
**A** 2,800 miles  
**B** 3,400 miles  
**C** 3,800 miles  
**D** 4,800 miles
3. Antonio runs 4 miles each day. How many miles does he run in three months? Remember, one month has 30 days.  
**A** 260 miles  
**B** 300 miles  
**C** 360 miles  
**D** 400 miles
4. Lola is planning a surprise party for her brother. She is inviting 36 people besides her brother and herself. She can seat 6 people at each table. How many tables will Lola need?  
**A** 5  
**B** 6  
**C** 7  
**D** 8

5. Joe does 25 sit-ups each day. How many sit-ups does he do in 3 weeks? Remember, one week has 7 days.  
\_\_\_\_\_

6. **Estimation** Estimate the quotient.  
 $555 \div 8$   
\_\_\_\_\_

7. Multiply.

$$\begin{array}{r} 37 \\ \times 32 \\ \hline \end{array}$$
  
\_\_\_\_\_



1. Nola earns \$62 per week walking dogs. How much money does Nola make in one year? Remember, one year has 52 weeks.

**A** \$3,442  
**B** \$3,224  
**C** \$3,124  
**D** \$2,134

2. **Mental Math** Seven students are planning to take an exercise class. If the cost is \$9 per student, how much will all the students pay for one class?

**A** \$80  
**B** \$72  
**C** \$63  
**D** \$56

3. Benny has 79 sports cards. He wants to give them to 4 of his friends. He wants each friend to have an equal number of cards. How many sports cards will Benny have left over?

**A** 0  
**B** 1  
**C** 2  
**D** 3

4. Kelly needs to buy 2 front row tickets for \$35 each and 2 bleacher tickets for \$15 each. How much money will she spend on tickets?

\_\_\_\_\_

5. Scott has \$49 and would like to buy some model cars. Each model car costs \$9. How many model cars can he buy? How much more money will he need to buy another model car?

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

6. Round 9,870 to the nearest hundred.

\_\_\_\_\_

1. **Mental Math** Joe is the 56th person in line for concert tickets. His friend Mary is 2 places behind him. What is Mary's place in line?  
**A** 54th  
**B** 57th  
**C** 58th  
**D** 59th
  
2. Helen and Grace are working on a geography project together. They must find the state capitals for each of the 50 states. They decide that they will each research the same number of states. How many capitals will each girl find?  
**A** 2  
**B** 10  
**C** 25  
**D** 50
  
3. Every year, Kevin's grandmother sends him \$20 for his birthday. Kevin always saves his birthday money. He is now 9 years old. How much money has he saved?  
**A** \$200  
**B** \$180  
**C** \$170  
**D** \$100
  
4. Jorge has \$17. He wants to buy two books. One costs \$5. The other costs \$12. Does he have enough money?  
\_\_\_\_\_
  
5. Margo, Linda, and Liz are sisters. Margo is 8. Linda is twice as old as Margo. Liz is 4 years younger than Linda. How much older than Margo is Liz?  
\_\_\_\_\_

1. **Mental Math** Elizabeth is baking cookies. She has invited 6 people to her house. She wants each guest to have 4 cookies. How many cookies does she need to bake for her guests?

A 20  
B 22  
C 24  
D 26

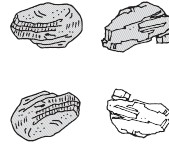
2. **Mental Math** There were 32 students going on a field trip. Each van could carry 8 students. Which number sentence is in the same fact family as  $32 \div 8 = \square$ ?

A  $4 \times \square = 32$   
B  $32 \times 8 = \square$   
C  $\square \times 4 = 8$   
D  $8 \times 8 = \square$

3. **Mental Math** In which of the following does 5 make the number sentence true?

A  $3 \times 2 = \square$   
B  $\square \times 6 = 42$   
C  $9 \times \square = 45$   
D  $\square \times 3 = 18$

4. Jacob's rock collection is shown below. What fraction of his rocks is gray?



A  $\frac{1}{4}$   
B  $\frac{3}{7}$   
C  $\frac{3}{4}$   
D  $\frac{4}{3}$

5. Arthur, Jorge, and Dylan collected a total of 328 cans to recycle. Arthur collected 105 and Jorge collected 112. How many cans did Dylan collect?

\_\_\_\_\_

6. **Mental Math** Complete the fact family below. Explain what the fact family shows.

\_\_\_\_\_  $\times 6 = 42$

\_\_\_\_\_  $\times 7 = 42$

$42 \div 7 =$  \_\_\_\_\_

\_\_\_\_\_  $\div 6 = 7$

1. Luis's family is going to the amusement park. Tickets cost \$26 for each child. There are 7 children going. How much will all of their tickets cost?  
**A** \$142  
**B** \$162  
**C** \$182  
**D** \$202
  
2. Traci wants to put the same number of books on each shelf on her bookcase. Which would be the quickest operation to use to figure out how many books go on each shelf?  
**A** Addition  
**B** Subtraction  
**C** Multiplication  
**D** Division
  
3. Pedro collects baseball cards. He had 192. His friend Kevin gave him 267 more. His friend Shannon gave him 212 more. How many baseball cards does Pedro have now?  
**A** 771  
**B** 679  
**C** 671  
**D** 579
  
4. Round the number 40,538 to the following places:  
Ten: \_\_\_\_\_  
Hundred: \_\_\_\_\_  
Thousand: \_\_\_\_\_
  
5. Write the following number: seven hundred seventy-eight thousand, thirty-nine.  
\_\_\_\_\_
  
6. **Mental Math** Warren planted 35 summer squash plants in 7 rows of his garden. How many summer squash plants were there in each row?  
\_\_\_\_\_
  
7. Jodie drove 4 hours to visit her grandmother. She averaged 60 miles per hour during her trip. How many miles did Jodie travel to see her grandmother?  
\_\_\_\_\_

1. Juan has 216 beach balls. Each beach ball has 16 stripes. How many stripes are there in all?  
**A** 1,296  
**B** 2,160  
**C** 3,456  
**D** 4,512
2. Steve picked 72 apples at the orchard. He plans to give all the apples away to 8 friends. How many apples will each friend get?  
**A** 9  
**B** 8  
**C** 7  
**D** 6
3. **Mental Math** Mary is sharing stickers from her collection with 4 of her friends. How many stickers will each friend receive if Mary distributes a total of 36 stickers?  
**A** 40  
**B** 32  
**C** 12  
**D** 9
4. How many marbles are left if 8 friends equally share a package of 75 marbles?  
\_\_\_\_\_
5. Roberto has 5 books. The number of pages in each book are 113, 152, 109, 122, and 131. Order the number of pages from least to greatest.  
\_\_\_\_\_
6. There are 60 minutes in an hour. How many minutes are there in 3 hours?  
\_\_\_\_\_

1. Kevin is putting his baseball cards into an album. He has 450 cards and each page of the album holds 9 cards. How many pages will Kevin need if all 450 baseball cards are going in the album?

- A 50 pages
- B 40 pages
- C 25 pages
- D 5 pages

2. The population of Town A is 15,729. Town B has a population of 21,634. What is the total population of the two towns?

- A 35,372
- B 36,799
- C 37,255
- D 37,363

3. Wendy has 8 kinds of seashells in her collection. She has 122 of each kind of shell. How many seashells does she have in her collection?

- A 976
- B 866
- C 122
- D 8

4. **Estimation** The population of the city that Andrew lives in is 172,648. About how many people live in Andrew's city rounded to the nearest thousand?

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5. Write all the ways you can express 24 as the product of 2 numbers.

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6. Rita is making a necklace. She has 1 orange bead, 1 green bead, and 1 purple bead. How many possible ways can Rita arrange the beads?

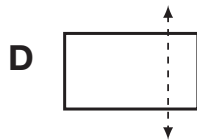
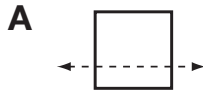
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7. Evaluate the expression for  $x = 3$ .

$$9 \times x + 1$$

---

1. Which shape is split into 2 equal parts?



2. Shawn has a set of 125 marbles. He is organizing his marbles into 5 equal groups. How many marbles should he put in each group?

- A** 10
- B** 15
- C** 20
- D** 25

3. **Mental Math** Carla is 8 years old. Leo is 2 years younger than Carla. Katy is 6 years older than Leo. How old is Katy?

- A** 4
- B** 8
- C** 12
- D** 16

4. Maria says 1, 2, 3, 4, 6, and 12 are all of the factors of a number. What is the number?

\_\_\_\_\_

5. Mr. Thompson counted the total number of runners in the relay race. Each team had the same number of runners. Complete the pattern to find the number of runners counted. Then write the rule, and explain how you found the rule to complete the pattern.

4 8 12 16 \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

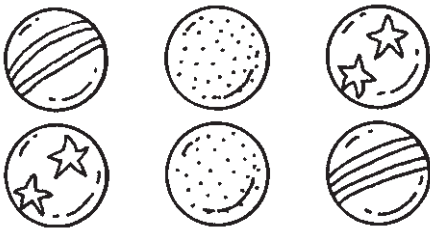
1. Which of these is the number 200,601 in word form?
  - A Two hundred thousand, six hundred one
  - B Two hundred six thousand, one
  - C Twenty thousand, six hundred one
  - D Two thousand, six hundred one
  
2. Isabel walked 1,357 steps to get to school. Harold walked 935 steps to get to school. How many more steps did Isabel walk?
  - A 492
  - B 422
  - C 392
  - D 122
  
3. **Mental Math** Carl cut a 30-foot rope into 6-foot sections. How many 6-foot sections will Carl have?
  - A 5
  - B 4
  - C 3
  - D 2
  
4. Pedro has started a car-washing business. He charges \$5 for each car he washes. On Saturday, Pedro washed 4 cars. On Sunday, he washed 7 cars. How much money did Pedro earn all together?  
\_\_\_\_\_  
\_\_\_\_\_
  
5. Zak takes 3 steps for every 2 steps Rich takes. How many steps will Zak take if Rich takes 18 steps? Explain how you found the answer. Make a table to help.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



1. Gina buys  $\frac{1}{4}$  of a yard of material to make a pillow. Which fraction is equivalent to  $\frac{1}{4}$ ?

A  $\frac{4}{8}$   
B  $\frac{3}{8}$   
C  $\frac{2}{8}$   
D  $\frac{1}{8}$

2. What fraction of these balls have stripes?



A  $\frac{1}{4}$   
B  $\frac{1}{3}$   
C  $\frac{1}{2}$   
D  $\frac{3}{4}$

3. How many sides does a quadrilateral have?

\_\_\_\_\_

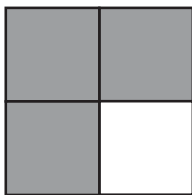
4. Let  $N$  be a whole number that is less than 100,000. Also,  $N$  has a 3 in the tens place and a 5 in the thousands place. What is the *greatest* possible value of  $N$ ?

\_\_\_\_\_

5. **Estimation** Round 5,708 to the nearest ten.

\_\_\_\_\_

1. Look at the model.



Which fraction is shown by the model?

- A**  $\frac{1}{4}$   
**B**  $\frac{1}{3}$   
**C**  $\frac{2}{3}$   
**D**  $\frac{3}{4}$
2. Janelle and Howard combined all their pennies. Janelle had 213 pennies, and Howard had 468 pennies. How many pennies did they have in all?
- A** 781  
**B** 681  
**C** 671  
**D** 255
3. Where would placing the number 3 make the number sentence true?
- A**  $15 \div 5 = \square$   
**B**  $42 \div \square = 7$   
**C**  $\square \div 5 = 9$   
**D**  $27 \div \square = 3$

4. **Estimation** Estimate the product  $9 \times 231$ . Show your work.

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5. The numbers 25, 30, 35, 40 are all multiples of what number?

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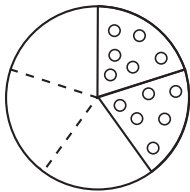
6. Marsha's school has 345 students. If all the students are separated into 5 equal groups, how many are in each group?

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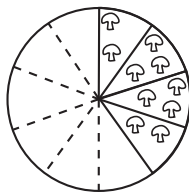
1. Which digit is in the thousands place in the number 661,239?

- A 9
- B 6
- C 3
- D 1

2. The two trays of pizza below show the amount of pizza left after the fourth-grade party.



Pepperoni

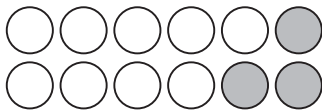


Mushroom

Which of the following compares the amount of pepperoni pizza left over to the amount of mushroom pizza left over?

- A  $\frac{2}{5} > \frac{4}{10}$
- B  $\frac{2}{10} < \frac{4}{5}$
- C  $\frac{2}{5} = \frac{4}{10}$
- D  $\frac{4}{10} > \frac{2}{5}$

3. The model is shaded to represent a fraction.



Which fraction below shows the fraction represented by the model in simplest form?

- A  $\frac{1}{3}$
- B  $\frac{1}{4}$
- C  $\frac{1}{10}$
- D  $\frac{1}{12}$

4. Complete the fact family below.

$6 \times \underline{\hspace{2cm}} = 48$

$\underline{\hspace{2cm}} \times 6 = 48$

$\underline{\hspace{2cm}} \div 6 = 8$

$48 \div \underline{\hspace{2cm}} = 8$

Tell what information is not needed. Then, solve the problem.

5. A farmer sells 12 dozen eggs to the market. She sells each dozen for \$1. How many eggs does she sell to the market?

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6. In January of 2007, Mr. Edwards turned 64 years old. In what year was Mr. Edwards born?

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1. Where would placing the number 13 make the number sentence true?

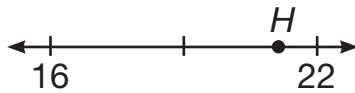
**A**  $4 \times 3 = \square$

**B**  $5 \times \square = 115$

**C**  $\square \times 12 = 168$

**D**  $15 \times \square = 195$

2. What number on the number line does point *H* best represent?



**A** 18

**B** 19

**C** 21

**D** 22

3. There are 63 students in the school band. At a band concert, Jerome saw that equal numbers of band members were seated in 3 different sections. How many band members were seated in each section?

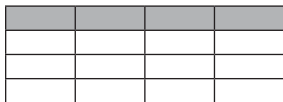
**A** 21

**B** 14

**C** 7

**D** 3

4. Look at the model.



Which fraction is shown by the shaded part of the model?

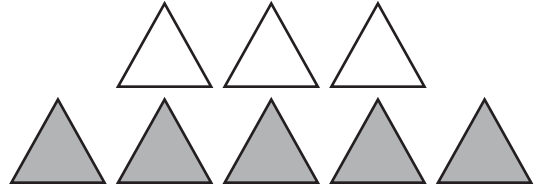
**A**  $\frac{1}{8}$

**C**  $\frac{1}{4}$

**B**  $\frac{1}{6}$

**D**  $\frac{1}{2}$

5. What fraction of the triangles are shaded?



\_\_\_\_\_

6. Compare.

$\frac{5}{6}$  ○  $\frac{7}{8}$

7. **Estimation** Look at the chart below. About what fraction of the goal have the fund-raisers reached?



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\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

8. **Estimation** Round 1,249 to the nearest hundred.

\_\_\_\_\_

1. Airport security guards choose some travelers for an extra safety check. So far, the guards have chosen the 6th, 12th, 18th, and 24th travelers in line. Which of these people will most likely be chosen for the extra safety check?

- A The 25th traveler in line
- B The 26th traveler in line
- C The 30th traveler in line
- D The 34th traveler in line

2. Shannon says, "My apartment number is a prime number." Which could be Shannon's apartment number?

- A 15
- B 27
- C 31
- D 44

3. Which fraction is equivalent to  $\frac{3}{4}$ ?

- A  $\frac{2}{6}$
- B  $\frac{4}{8}$
- C  $\frac{9}{12}$
- D  $\frac{10}{12}$

4. Amin has \$20. After buying 4 cans of tennis balls, he gets \$8 back as change. How much did one can of tennis balls cost?

\_\_\_\_\_

5. What are the next two numbers in this pattern? Describe the pattern.

$$\frac{12}{12} \quad \frac{10}{12} \quad \frac{8}{12} \quad \frac{6}{12} \quad \underline{\quad} \quad \underline{\quad}$$

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1. There are 10 campers at Camp Davis. Three campers are swimming, and 2 campers are hiking. What fraction of the campers are swimming or hiking?

**A**  $\frac{1}{4}$   
**B**  $\frac{1}{3}$   
**C**  $\frac{1}{2}$   
**D**  $\frac{2}{3}$

2. A pencil is  $\frac{4}{10}$  of an inch wide. What is  $\frac{4}{10}$  written in simplest form?

**A**  $\frac{2}{10}$   
**B**  $\frac{2}{5}$   
**C**  $\frac{3}{5}$   
**D**  $\frac{8}{10}$

3. What is the sum of  $\frac{2}{8} + \frac{4}{8}$  written in simplest form?

**A**  $\frac{1}{4}$   
**B**  $\frac{3}{8}$   
**C**  $\frac{1}{2}$   
**D**  $\frac{3}{4}$

4. Find the missing value in the equation.

$$\frac{1}{6} + \frac{?}{6} = \frac{5}{6}$$

\_\_\_\_\_

5. Tracy's soccer team plays 10 games in a season. Each game is 30 minutes long. Explain how you would find the number of hours Tracy's soccer team plays each season.

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1. Marti has 6 shirts. Two shirts are pink and 1 is red. What fraction of Marti's shirts are pink or red?

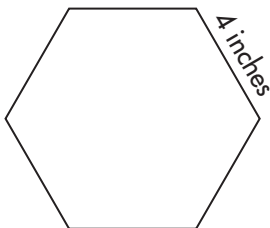
A  $\frac{1}{4}$   
B  $\frac{1}{3}$   
C  $\frac{1}{2}$   
D  $\frac{2}{3}$

2. Jack wrote this equation on the board, but Kim erased part of it.

$$\frac{3}{12} + \frac{\square}{12} = \frac{7}{12}$$

What is the value of the missing numerator?

- A 4  
B 5  
C 10  
D 12
3. In the regular polygon below, all sides are the same length. What is its perimeter? (Remember, perimeter equals the distance around a figure.)



A 16 inches  
B 20 inches  
C 24 inches  
D 28 inches

4. What is the sum of  $\frac{2}{10} + \frac{1}{10} + \frac{3}{10}$  in simplest form?

\_\_\_\_\_

5. **Estimation** Josie read 246 pages of a book last month. Her older brother says he read about 3 to 4 times as many pages as Josie. Explain why 2,500 is NOT a reasonable estimate for the number of pages that Josie's brother read.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

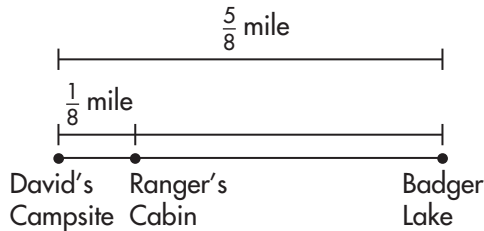
\_\_\_\_\_

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1. The map shows David's campsite, the park ranger's cabin, and Badger lake at Hundred Pines State Park.



What is the distance from the ranger's cabin to Badger Lake expressed in simplest form?

- A  $\frac{1}{8}$  mile  
 B  $\frac{1}{2}$  mile  
 C  $\frac{5}{8}$  mile  
 D  $\frac{3}{4}$  mile
2. David hikes from his campsite to the ranger's cabin and then back to his campsite. How far does David hike?
- A  $\frac{1}{2}$  mile  
 B  $\frac{3}{8}$  mile  
 C  $\frac{1}{4}$  mile  
 D  $\frac{1}{8}$  mile

3. What is the sum of  $\frac{3}{8} + \frac{1}{8}$  written in simplest form?

- A  $\frac{1}{8}$   
 B  $\frac{1}{4}$   
 C  $\frac{1}{2}$   
 D  $\frac{2}{3}$

4. Find the sum.

$$\frac{1}{12} + \frac{4}{12}$$

\_\_\_\_\_

5. Ethan is 3 inches taller than Daisy. Let  $x$  = Ethan's height. Write an expression that represents Daisy's height. Explain how you knew what operation to use in your expression.

\_\_\_\_\_

\_\_\_\_\_

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\_\_\_\_\_



1. Of the 12 books on Marco's shelf, 9 are about music or computers. The rest are nature books. What fraction of Marco's books are about nature?

- A  $\frac{1}{4}$
- B  $\frac{1}{3}$
- C  $\frac{2}{3}$
- D  $\frac{3}{4}$

2. The table shows the amount of time four people spend exercising.

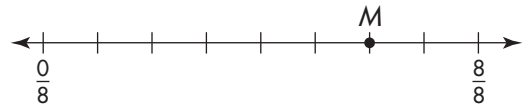
**Exercise Log**

Name	Time
Bill	$\frac{1}{2}$ hour
Carly	$\frac{3}{4}$ hour
Dimitri	$\frac{2}{3}$ hour
Emma	$\frac{2}{8}$ hour

Which person exercises for the least amount of time?

- A Bill
- B Carly
- C Dimitri
- D Emma

3. What fraction is represented by point *M* on the number line below?



- A  $\frac{1}{2}$
- B  $\frac{2}{3}$
- C  $\frac{3}{4}$
- D  $\frac{4}{5}$

4. What is the difference of  $\frac{5}{6} - \frac{1}{6} - \frac{2}{6}$  in simplest form?

\_\_\_\_\_

5. The numbers in this list follow a pattern. Write the missing number. Then describe the pattern you found.

0 3 6 9 \_\_\_\_\_ 15 18 21

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

1. The model is shaded to represent a fraction.



Which of the following is an equivalent fraction?

- A**  $\frac{3}{12}$
- B**  $\frac{3}{9}$
- C**  $\frac{3}{4}$
- D**  $\frac{9}{3}$
2. **Estimation** Each of the three fourth-grade classes at Woodrow Wilson Elementary has 22 students. About how many students are in all three classes?
- A** 90
- B** 60
- C** 30
- D** 25
3. **Mental Math** Angel bought 5 books for \$45. How much did each book cost if each book was the same price?
- A** \$5
- B** \$6
- C** \$8
- D** \$9

4. Jamie has seen her favorite movie 95 times! Derrek has seen it 113 times! How many more times has Derrek seen the movie?
- \_\_\_\_\_

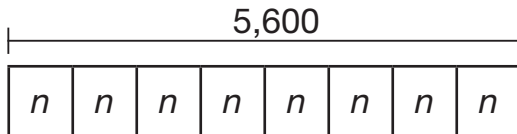
5. A number has a 4 in the thousands place, a 1 in the tens place, a 0 in the ones place, and a 9 in the hundreds place. What is the number?
- \_\_\_\_\_

6. Find the product of  $29 \times 3$ .
- \_\_\_\_\_

1. It takes 4 pounds of grapes to make 1 pound of raisins. How many pounds of grapes would you need to make 3,000 pounds of raisins?

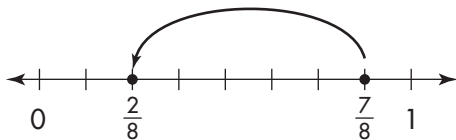
- A 1,000 pounds
- B 6,000 pounds
- C 9,000 pounds
- D 12,000 pounds

2. What number represents  $n$  in the diagram below?



- A 7
- B 80
- C 700
- D 800

3. What equation is modeled with this number line?



- A  $\frac{7}{8} - \frac{5}{8} = \frac{2}{8}$
- B  $\frac{7}{10} - \frac{5}{10} = \frac{2}{10}$
- C  $\frac{2}{8} + \frac{5}{8} = \frac{7}{8}$
- D  $\frac{2}{10} + \frac{5}{10} = \frac{7}{10}$

4. What is the sum of  $\frac{9}{10}$  and  $\frac{1}{10}$ ?

\_\_\_\_\_

5. Jen needs to save \$180 for a new camping tent. She is able to save \$9 each week. How many weeks will Jen need to save to reach her goal? Draw a picture and write an equation to solve the problem. Explain how you found your answer.

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\_\_\_\_\_

1. Find the difference. Simplify, if possible.

$$\frac{4}{12} - \frac{1}{12}$$

**A**  $\frac{1}{12}$

**B**  $\frac{2}{12}$

**C**  $\frac{1}{4}$

**D**  $\frac{1}{3}$

2. After Ronaldo's Fourth of July party,  $\frac{4}{6}$  of his cake is left. How much cake will be left after his cousin Max eats another  $\frac{1}{6}$ ? Simplify your answer if possible.

**A**  $\frac{5}{6}$

**B**  $\frac{1}{2}$

**C**  $\frac{1}{3}$

**D**  $\frac{3}{12}$

3. Noreen bought two shirts for \$13 each and two pairs of shoes for \$18 a pair. How much did she pay in all?

**A** \$31

**B** \$44

**C** \$49

**D** \$62

4. A day pass at a theme park costs \$16 for a child and \$24 for an adult. How much would it cost to get day passes for 1 adult and 2 children?
- \_\_\_\_\_

5. Kirk, Tanya, Ben, Maya, and Rico equally share 3 apples. What fraction of an apple does each person get?

**A**  $\frac{1}{3}$

**B**  $\frac{3}{8}$

**C**  $\frac{3}{5}$

**D**  $\frac{5}{8}$

1. What number is missing from the pattern?

201	403	?	807	1,009
-----	-----	---	-----	-------

- A** 205  
**B** 405  
**C** 605  
**D** 607
2. Neil spends  $1\frac{2}{8}$  hours washing the car and  $2\frac{5}{8}$  hours mowing and weeding the yard. How many total hours does he spend on his chores? Simplify your answer if possible.
- A**  $3\frac{3}{8}$  hours  
**B**  $3\frac{5}{8}$  hours  
**C**  $3\frac{6}{8}$  hours  
**D**  $3\frac{7}{8}$  hours
3. Which of the fractions is equivalent to  $\frac{2}{3}$ ?

- A**  $\frac{8}{12}$   
**B**  $\frac{6}{10}$   
**C**  $\frac{4}{8}$   
**D**  $\frac{2}{5}$

4. Mr. DeWitt carved a wooden boat for his granddaughter. He began with a piece of wood that was 203 centimeters long. The boat is 167 centimeters long. How many centimeters did Mr. DeWitt carve off the length of the wood when he made the boat?
- \_\_\_\_\_

5. **Estimation** The distance between Miami and Naples is 107 miles. The distance between Miami and Jacksonville is about three times this distance. Landon estimates that the distance between Miami and Jacksonville is about 400 miles. Is Landon's estimate reasonable? Why or why not?
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_
- \_\_\_\_\_

- Which of the fractions is equivalent to  $\frac{1}{2}$ ?
  - $\frac{2}{6}$
  - $\frac{4}{8}$
  - $\frac{6}{10}$
  - $\frac{9}{12}$
- Derek has 164 marbles. He gave 65 to his sister. How many marbles does he have left?
  - 89
  - 90
  - 99
  - 109
- What is the mixed number for  $\frac{8}{3}$ ?
  - $1\frac{2}{3}$
  - $2\frac{2}{3}$
  - $3\frac{2}{3}$
  - $4\frac{2}{3}$
- Place these fractions in order from least to greatest. Explain how you decided.  
 $\frac{1}{4}, \frac{1}{12}, \frac{1}{2}, \frac{1}{10}, \frac{1}{6}, \frac{1}{3}$   
\_\_\_\_\_  
\_\_\_\_\_  
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\_\_\_\_\_
- Mental Math** John took  $\frac{4}{5}$  of the marbles from a jar. What fraction of the marbles was left in the jar?  
\_\_\_\_\_
- There are 4 computer labs at a school. Each computer lab holds 15 computers. How many computers are there in all?  
\_\_\_\_\_  
\_\_\_\_\_

1. A deli is open 5 days a week for 5 hours each day. One week the deli served 925 customers. If the same number of customers were served each hour, how many were served each hour?

**A** 185  
**B** 125  
**C** 37  
**D** 16

2. Giovanni had an orange with 12 sections. He gave 3 sections to Lucia and 4 sections to Ricky. What fraction of the orange did Giovanni have left?

**A**  $\frac{7}{12}$   
**B**  $\frac{5}{12}$   
**C**  $\frac{5}{7}$   
**D**  $\frac{1}{4}$

3. Choose a fraction to make the inequality true.

$$\frac{3}{5} > \square$$

**A**  $\frac{4}{5}$   
**B**  $\frac{3}{6}$   
**C**  $\frac{4}{6}$   
**D**  $\frac{5}{6}$

4. **Estimation** Mr. Rosenthal is getting ready to build a dog house. He buys some wood for \$33, some shingles for \$12, and some screws for \$7. About how much does he spend on the building materials?

\_\_\_\_\_

5. What is the missing number in this equation? Explain how you know.

$$2 \times (10 \times 3) = (\square \times 10) \times 3$$

What property does the equation illustrate?

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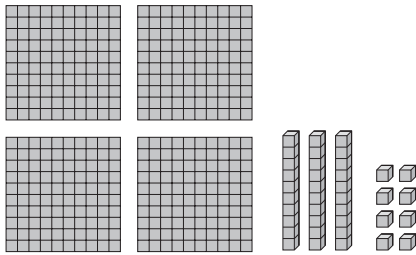
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1. How would you write the number modeled below in standard form?



- A 348
- B 384
- C 438
- D 834

2. Which number completes the number sentence below?

$$21 = \underline{\hspace{2cm}} + (6 + 8)$$

- A 6
- B 7
- C 14
- D 35

3. Choose a fraction to make the sentence true.

$$\frac{3}{5} > \square$$

- A  $\frac{4}{5}$
- B  $\frac{3}{6}$
- C  $\frac{4}{6}$
- D  $\frac{5}{6}$

4. The table below shows the population of 4 cities.

City	Population
Happy Valley	49,604
Lakeside	50,104
Stoneyville	49,984
Rutherton	50,673

Write the numbers in order from greatest to least.

\_\_\_\_\_

\_\_\_\_\_

5. Hilda has 9 trading cards. Kevin has 14 more cards than Hilda. Tom has 3 fewer cards than Kevin. Write a number sentence to show how many cards Tom has.

\_\_\_\_\_

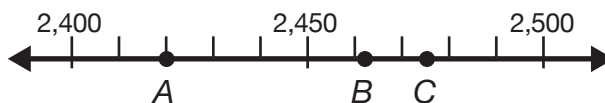
6. Which is longer, 5 feet or 2 feet?

\_\_\_\_\_



1. How many hundreds are in 17,000?  
**A** 17,000  
**B** 1,700  
**C** 170  
**D** 17
  
2. **Estimation** Round 325,180 to the nearest ten thousand.  
**A** 330,000  
**B** 325,200  
**C** 325,000  
**D** 320,000
  
3. Notebooks cost \$4. If Jade buys 3 notebooks, how much will they cost altogether?  
**A** \$4  
**B** \$7  
**C** \$10  
**D** \$12
  
4. Which number is greater than 38,246?  
**A** 37,236  
**B** 38,236  
**C** 38,240  
**D** 38,642

5. Which point on the number line represents 2,475?



\_\_\_\_\_

6. **Mental Math** Susan bought 8 packages of colored paper. Each package holds 100 sheets. How many sheets did Susan buy?

\_\_\_\_\_

7. Write three numbers that are greater than 67,000, but less than 68,000.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

8. Write the number 302,073 in word form.

\_\_\_\_\_

\_\_\_\_\_

1. Yvette's computer has a folder with files shown by rows and columns. There are 4 rows and 12 columns. Which number sentence will tell you how many files the folder has?

**A**  $4 \times 12 = 48$   
**B**  $12 - 4 = 8$   
**C**  $4 + 12 = 16$   
**D**  $12 \div 4 = 3$

2. Last year a bagel shop sold eighty-four thousand, seven hundred six bagels. Which shows this number?

**A** 840,760  
**B** 840,706  
**C** 84,760  
**D** 84,706

3. Nick has 1,263 baseball cards. He gives 374 to his younger sister. How many baseball cards does Nick have now?

**A** 889  
**B** 899  
**C** 989  
**D** 999

4. Which of the following numbers is less than 468,112?

**A** 470,000  
**B** 469,000  
**C** 468,125  
**D** 468,100

5. What type of polygon has four sides of equal length and four right angles?

\_\_\_\_\_

6. The table shows how many ounces of pebbles four friends have. Place the amounts in order from greatest to least.

Person	Amount (oz)
Sven	$\frac{1}{2}$
Rita	$\frac{3}{8}$
Wendy	$\frac{5}{8}$
Carlos	$\frac{2}{3}$

\_\_\_\_\_

7. **Estimation** Nina has 763 pennies in a jar. Harold has 839 pennies in a jar. Round each amount to the nearest hundred.

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8. Brad started with 132 marbles, bought 24 more, and then won 23. How many marbles does Brad now have?

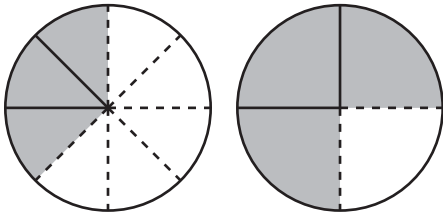
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1. Daryl is 23 years old. His brother Larry is 11 years younger. Which number sentence can you use to find how old Larry is?  
**A**  $23 - 11 = 12$   
**B**  $23 + 11 = 34$   
**C**  $34 - 23 = 11$   
**D**  $23 - 12 = 11$
  
2. Samantha ate  $\frac{3}{8}$  of a pizza for lunch. Todd ate  $\frac{1}{8}$  of the pizza. Which part of the pizza did they eat altogether?  
**A** All  
**B**  $\frac{1}{2}$   
**C**  $\frac{2}{3}$   
**D**  $\frac{7}{8}$
  
3. Donna has read 9 times as many pages as Bob. Bob has read 8 pages. How many pages has Donna read?  
**A** 17  
**B** 54  
**C** 72  
**D** 81
  
4. Marissa has 79 grams of grapes. Roger has 81 grams of grapes. Whose grapes have a greater mass?  
\_\_\_\_\_
  
5. Dennis has 171 shells in his collection. Fred has 208. Round each amount to the nearest ten. About how many more shells does Fred have?  
\_\_\_\_\_
  
6. **Mental Math** Ian multiplied a number by 5. He then multiplied that product by 2. What digit is in the ones place of the final product?  
\_\_\_\_\_

1. A park baseball league had 54 people sign up to play. Each team will have 9 players. Which number sentence is in the same fact family as  $54 \div 9 = \square$ ?

A  $4 \times 9 = \square$   
 B  $45 \div \square = 9$   
 C  $\square \times 6 = 54$   
 D  $54 \times 9 = \square$

2. **Mental Math** The two pie pans below show what was left of two pies.



Which of the following compares the portions of pie left in each pan?

A  $\frac{3}{8} > \frac{3}{4}$   
 B  $\frac{3}{8} < \frac{3}{4}$   
 C  $\frac{3}{4} < \frac{3}{8}$   
 D  $\frac{3}{4} = \frac{3}{8}$

3. In which number sentence does 7 make the equation true?

A  $\square \div 5 = 2$   
 B  $36 \div 6 = \square$   
 C  $56 \div \square = 8$   
 D  $\square \div 4 = 3$

4. On the last day of school, Samantha's class released 112 balloons into the sky. Thirty-six balloons popped in just a few seconds. How many balloons were left?
- \_\_\_\_\_

5. Ryan has four pets named Brandy, Bailey, Jimmy, and Sparky. One is a cat, one is a fish, one is a bird, and one is a dog. Brandy is a dog. Bailey is not a bird. Sparky is a fish. What kind of animal is Jimmy? Write the answer in a complete sentence.
- \_\_\_\_\_

6. A small watch company sells about 35 watches each day. About how many watches does the company sell in one week if it is open every day?
- \_\_\_\_\_

1. **Estimation** The rain gauge at the airport recorded that it rained 127 inches in one year. What is this amount rounded to the nearest ten?

A 100 inches  
B 110 inches  
C 120 inches  
D 130 inches

2. Kate writes two equivalent fractions for the shaded part of the rectangle.



What two fractions could Kate write?

- A  $\frac{2}{6}$  and  $\frac{4}{12}$   
B  $\frac{2}{8}$  and  $\frac{1}{4}$   
C  $\frac{2}{8}$  and  $\frac{4}{8}$   
D  $\frac{6}{8}$  and  $\frac{2}{8}$
3. Which shows the factors of 10?
- A 1, 2, 5, 10  
B 10, 20, 30, 40  
C 2, 5  
D 1, 2, 3, 5, 6, 10

4. Zada says that 9, 15, and 24 are multiples of a number. What is the number?

\_\_\_\_\_

5. Mateo measured the length of an insect. He found it was between  $3\frac{1}{5}$  and  $3\frac{3}{10}$  inches long. Write a mixed number that could be the length of the insect. Explain how you found your answer.

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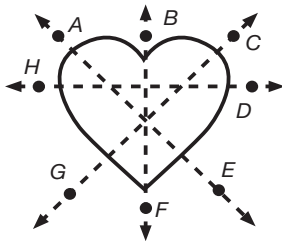
1. Which digit is in the hundreds place in the number 34,863?

- A 8
- B 6
- C 4
- D 3

2. **Mental Math** Which is equal to 2 quarters and 9 dimes?

- A 4 quarters and 3 dimes
- B 14 dimes
- C 4 quarters and 5 dimes
- D 15 dimes

3. Which line on the figure divides the figure into two equal parts?



- A  $\overleftrightarrow{AE}$
- B  $\overleftrightarrow{BF}$
- C  $\overleftrightarrow{CG}$
- D  $\overleftrightarrow{DH}$

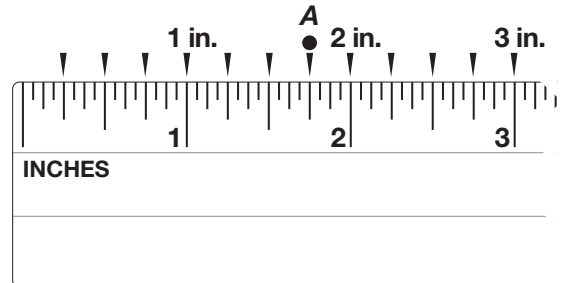
4. The table below shows the cost of a CD if you buy a certain number at Music To Go.

Cost of CDs				
Number of CDs	1-5	6-10	11-15	16-20
Cost per CD	\$18	\$15	?	\$9

Use the pattern in the table to find the cost per CD if you buy 12 CDs.

\_\_\_\_\_

5. Adrian measured the thickness of a board and marked it as A on the number line below.



How thick is the board?

\_\_\_\_\_

6. Write 8,829 in expanded form.

\_\_\_\_\_

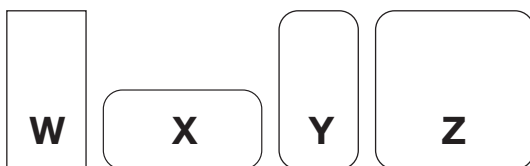
1. Darlene measures the mass of a small rock in science class and finds it is 6.15 grams. How would she say this number in word form?

**A** Six hundred and fifteen hundredths  
**B** Six and fifteen tenths  
**C** Six and five tenths  
**D** Six and fifteen hundredths

2. Terrell bought 12 apples at the fruit stand. He gave some to his friends and had 7 left. How many apples did Terrell give away?

**A** 5  
**B** 7  
**C** 12  
**D** 19

3. A bakery uses the baking pans shown below to make loaves of bread. Which two pans are the same size and the same shape?

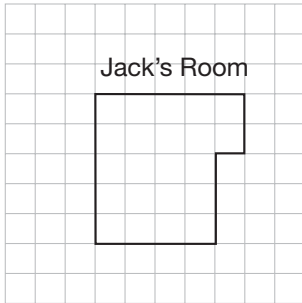


**A** Pan W and pan X  
**B** Pan W and pan Y  
**C** Pan W and pan Z  
**D** Pan X and pan Y

4. **Estimation** The Art Museum had 355,288 visitors last year. The Science Museum had 305,965 visitors. Which museum had closer to 350,000 visitors?
- \_\_\_\_\_

5. Erika strings a necklace with 5 blue beads, 2 green beads, 4 purple beads, and then repeats the pattern. If she uses 10 blue beads, how many beads does she use altogether?
- \_\_\_\_\_

1. In the picture below, each square of the grid represents 1 square foot.



What is the area of Jack's room?

- A 10 square feet
  - B 17 square feet
  - C 22 square feet
  - D 25 square feet
2. **Estimation** Last year, 288 people saw the school play. This year, 965 people saw the play. Which is the best estimate of how many more people saw the play this year?
- A 300 more people
  - B 600 more people
  - C 700 more people
  - D 1,000 more people
3. You buy a sandwich and receive \$4.09 in change. How many coins do you have if you were given the fewest coins possible?
- A 4 coins
  - B 5 coins
  - C 7 coins
  - D 9 coins

4. Which place value would you use to show that 4,532 is less than 4,541?

\_\_\_\_\_

5. The table below shows the numbers of magazines sold by four schools in a fundraiser contest.

School	Magazines Sold	Prize
Jefferson School	1,569	First
Adams School	1,532	
Harding School	1,505	
Hammond School	1,560	

Order the numbers to find which schools came in second place, third place, and fourth place.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



1. Mr. Thomas divided his class of 35 students into groups to play a game. There were 5 students in each group. Which number sentence is in the same fact family as  $35 \div \square = 5$ ?

**A**  $5 \times 35 = \square$

**B**  $\square \times 7 = 35$

**C**  $70 \div \square = 7$

**D**  $5 \div 5 = \square$

2. **Estimation** Jayda is measuring an object's weight in pounds. Which of the following objects is she most likely measuring?

**A** Shoebox

**B** Dresser

**C** Poster

**D** Tennis ball

3. Carol has 4 bags of oranges. Laverne has more bags than Carol. Which expression represents how many bags Laverne has?

**A**  $4 \times x$

**B**  $4 \div x$

**C**  $4 + x$

**D**  $4 - x$

4. Monica has tiles that are 1 inch by 1 inch squares. If she uses them to make a rectangle that is 16 inches long and 6 inches wide, how many tiles will she use?

\_\_\_\_\_

5. Darryl and 4 friends share 15 apples. What is the fair share for each of them?

\_\_\_\_\_

6. Greta places carnations in  $\frac{3}{8}$  of her pots and daisies in  $\frac{1}{2}$  of her pots. Are there more pots with carnations or daisies?

\_\_\_\_\_

\_\_\_\_\_

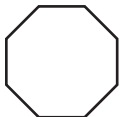
1. Rosalina's Flower Shop sells roses by the dozen. On Friday, Rosalina received an order for 21 dozen roses. How many roses does Rosalina need to fill the order?

**A** 144  
**B** 212  
**C** 252  
**D** 262

2. What is 782,444 rounded to the nearest hundred thousand?

**A** 900,000  
**B** 800,000  
**C** 700,000  
**D** 600,000

3. Tony makes dining room tables. One of his designs looks like the figure shown below.



What is the name of the figure?

**A** hexagon  
**B** pentagon  
**C** rectangle  
**D** octagon

4. Look at the pattern. Draw the next two figures.



5. In a game called four-square, the court is made of a large square divided into 4 smaller squares. If 2 children are playing on 2 of the squares, what part of the large square is missing a player?

\_\_\_\_\_

6. **Mental Math** Joy makes toy boats out of balsa wood. Each boat uses three strips of wood. If Joy has 22 strips, how many boats can Joy make?

\_\_\_\_\_

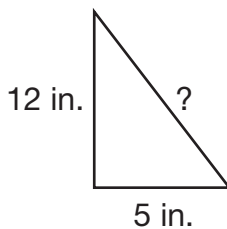
7. Write an equivalent fraction for  $\frac{1}{5}$ .

\_\_\_\_\_

1. Tyrone was born in January of 1975. How old was Tyrone in February of 2006?

**A** 24  
**B** 31  
**C** 54  
**D** 74

2. If the perimeter of the triangle below is 30 inches, what is the length of the third side?



- A** 7 in.  
**B** 10 in.  
**C** 13 in.  
**D** 17 in.
3. Which unit would be used to measure the width of a football field?
- A** inches  
**B** feet  
**C** yards  
**D** miles

4. This number has a 4 in the thousands place and a 0 in the tens place. It has a 9 in the hundreds place and a 5 in the ones place. What is the number?
- \_\_\_\_\_

5. Mr. Tyler's class went to the planetarium. It costs \$15 per student and \$20 per adult. There were 20 students and 4 adults. How much did it cost altogether?
- \_\_\_\_\_

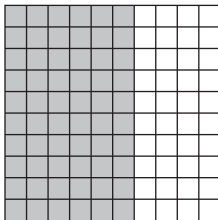
6. **Mental Math** Lauren had 26 baseball cards. She wanted to give each of her 4 brothers the same number of cards. How many cards did each of Lauren's brothers get? How many cards did Lauren have left over?
- \_\_\_\_\_

1. The table below shows a pattern. What is the missing number?

In	Out
6	36
7	37
8	
9	39

- A 38
- B 48
- C 83
- D 88

2. The model is shaded to represent a number.



Which number is **NOT** represented by the model?

- A  $\frac{60}{100}$
- B 0.6
- C  $\frac{6}{10}$
- D 0.06

3. What is the name of this plane figure?



\_\_\_\_\_

4. Benjamin, Bradley, and Billy are brothers. Billy is 12 years old. Benjamin is 3 years younger than Billy. Bradley is 4 years older than Benjamin. List the brothers in age order, from youngest to oldest.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

5. **Estimation** Estimate the quotient:  
 $735 \div 9$

\_\_\_\_\_

6. **Mental Math** Complete the fact family below.

\_\_\_  $\div$  7 = 9

\_\_\_  $\div$  9 = 7

7  $\times$  \_\_\_ = \_\_\_

9  $\times$  \_\_\_ = \_\_\_

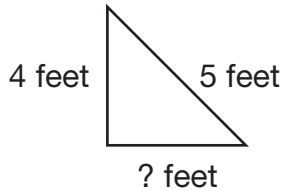
1. Which unit of measure would be best to use to measure the capacity of a large bucket?  
**A** cups  
**B** pints  
**C** quarts  
**D** gallons
  
2. **Mental Math** Steve has a piece of wood that is 8 yards long. He needs 2 yards to make a table leg. How many table legs can the piece of wood make?  
**A** 4  
**B** 6  
**C** 8  
**D** 10
  
3. Samuel weighs 10 lb more than Cheryl. Cheryl weighs 15 lb less than Eric. Eric's weight is 150 lb. How much does Samuel weigh?  
**A** 175 lb  
**B** 165 lb  
**C** 160 lb  
**D** 145 lb

4. Marcia bought some carrots at the supermarket for \$4. She gave the cashier a \$20.00 bill. How much change did Marcia receive?  
\_\_\_\_\_

5. Divide  $1,682 \div 2$ .  
\_\_\_\_\_

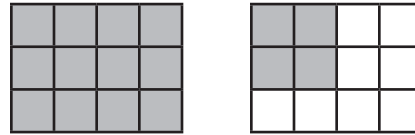
6. Sharon just bought a fish tank for her fish. How can she find the capacity of the tank? Explain.  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

1. **Mental Math** Lee drew the triangle shown below. What is the length of the missing side if the perimeter is 12 feet?



- A** 1 ft  
**B** 3 ft  
**C** 5 ft  
**D** 12 ft
2. Jorge has saved \$53. His brother, Marco, has saved \$11. If the brothers add their savings together, how much money will they have?
- A** \$42  
**B** \$54  
**C** \$64  
**D** \$65
3. Mr. McBride is buying new clothes to wear to work. He has purchased a shirt for \$32, a pair of pants for \$45, and a tie for \$20. He pays with a 100 dollar bill. How much change will he get?
- A** \$80  
**B** \$48  
**C** \$23  
**D** \$3

4. Look at the model below.



Which fraction does the shaded part of the model show?

- A**  $\frac{3}{4}$   
**B**  $\frac{5}{6}$   
**C**  $1\frac{1}{4}$   
**D**  $1\frac{1}{3}$

Write the number in standard form.

5.  $300,000 + 60,000 + 400 + 30 + 2$

\_\_\_\_\_

6. Order the numbers from greatest to least.

4.6, 1.3, 6.2

\_\_\_\_\_

7. Gale, Stu, Cybil, Edwin, and Corey are standing in line at the movie theater. Corey is first in line. Stu is last in line. Gale is between Corey and Edwin. What is their order from front to back? Write the answer in a complete sentence.

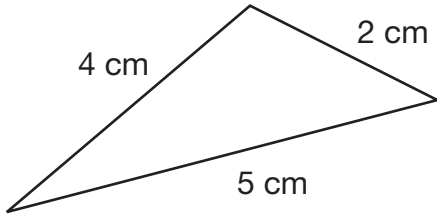
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\_\_\_\_\_

\_\_\_\_\_

- Each shelf in the children’s section of the library holds 76 books. If there are 18 shelves, how many books are in the children’s section of the library?  
**A** 1,268  
**B** 1,368  
**C** 1,468  
**D** 1,568

- Beth drew the triangle shown below. Which is the perimeter of the triangle?



- Ms. Santos wants to buy carpet for her living room. Which unit would she use to measure the width of the room?  
**A** inch  
**B** foot  
**C** yard  
**D** mile

- Which is the shorter distance to walk,  $\frac{1}{4}$  mile or 1,250 feet?  
 \_\_\_\_\_

- This chart shows how many hours of homework three students did on Wednesday.

Student	Time
Susan	$1\frac{1}{2}$ h
Dana	$2\frac{1}{6}$ h
Evelyn	$1\frac{3}{4}$ h

Which student spent the most time doing homework?  
 \_\_\_\_\_

Which student spent the least time doing homework?  
 \_\_\_\_\_

- Mental Math** Write a fact family for 8, 6, and 48.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

1. The model is shaded to represent a fraction.

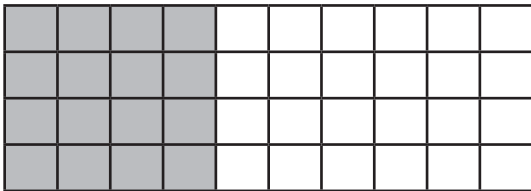


Which model below shows an equivalent fraction?

**A**



**B**



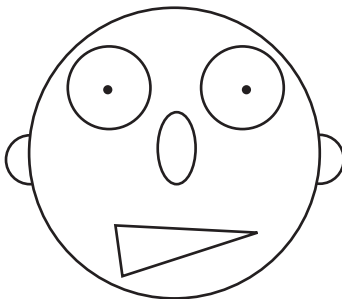
**C**



**D**



2. Jenny drew the face shown below.



What shape has three sides?

- A** triangle
- B** oval
- C** circle
- D** square

3. Fred drew the pentagon below. The length of each side was 2 inches. What is the perimeter?



\_\_\_\_\_

4. Mr. Nolan's class is holding a recycling drive. So far, the class has collected 183 aluminum cans. They want to collect a total of 1,000 cans. How many more cans do they need to collect?

\_\_\_\_\_

5. Eric has saved up \$8.05. His friend Emily has saved up \$6.55. How much money have the two friends saved up in all?

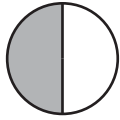
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6. **Mental Math** Jeff has 5 cartons of eggs. Each carton has 12 eggs. Write and solve a number sentence that shows the problem.

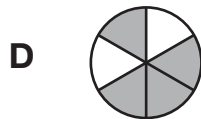
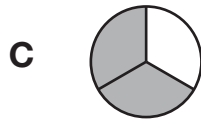
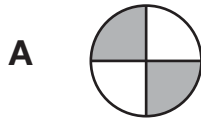
\_\_\_\_\_



1. The model is shaded to represent a fraction.



Which model below shows an equivalent fraction?



2. Amy looked at her watch when she got on the bus. She looked at it again when she arrived at school. How long was her bus trip?



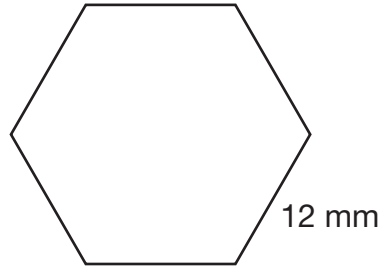
Get  
on bus



Arrive  
at school

- A** 30 minutes
- B** 40 minutes
- C** 1 hour 5 minutes
- D** 1 hour 40 minutes

3. Franco drew the figure shown below. Each side is the same length. What is the perimeter?



\_\_\_\_\_

4. Draw a shape with four sides of equal length and a right angle.
- \_\_\_\_\_
5. A parking lot has 4 sections. Each section can hold the same number of cars. If the lot can hold a total of 124 cars, how many can each section hold?
- \_\_\_\_\_

6. Which customary unit of measure would you use to estimate the amount of water in an aquarium?
- \_\_\_\_\_

- 1. Mental Math** How many teaspoons are in 5 tablespoons?  
**A** 5 tsp  
**B** 10 tsp  
**C** 15 tsp  
**D** 20 tsp
- Phillip packs 2 sandwiches for lunch. Before school he eats one half of a sandwich. How many sandwiches does he have left?  
**A** 3  
**B**  $2\frac{1}{2}$   
**C** 2  
**D**  $1\frac{1}{2}$
- Tim has 13 rooms in his house. All but 2 rooms have 2 windows. The other 2 rooms have 1 window each. How many windows does he have in his house?  
**A** 26  
**B** 24  
**C** 13  
**D** 2

- 4.** Which customary unit of measure would you use to estimate the amount of water in a coffee pot?  
\_\_\_\_\_

- 5.** A square and a rectangle both have the same perimeter. The length of one side of the square is 5 in. What is the length of the long side of the rectangle?  
\_\_\_\_\_

2 in.

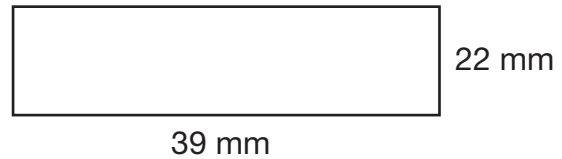
- 6.** Which is longer, a bed that is 7 ft long or a bed that is 77 inches long?  
\_\_\_\_\_

1. Four friends shared a pizza. The table below shows how much of the pizza each friend ate. Who ate the most pizza?

Pizza	
Name	Amount of Pizza Eaten
Felix	$\frac{1}{2}$
Lucy	$\frac{1}{8}$
Ned	$\frac{2}{8}$
Penny	$\frac{2}{16}$

- A** Felix  
**B** Lucy  
**C** Ned  
**D** Penny
2. Olivia had 68 baseball cards. She gave 7 to Stephen. She then bought 12 more cards. How many cards does she have now?
- A** 49  
**B** 63  
**C** 73  
**D** 87
3. Clinton spends 5 hours each month grocery shopping. How many hours does he spend grocery shopping in 1 year?
- A** 120 hours  
**B** 60 hours  
**C** 50 hours  
**D** 12 hours

4. **Estimate** What is a good estimate for the area of the rectangle below?



5. Chessboards have 8 rows and 8 columns. How many squares are on a chessboard? Round your answer to the nearest ten.
- \_\_\_\_\_
- \_\_\_\_\_
6. Ken has 180 model trains. He stores his trains in 10 boxes. Each box has the same number of trains. How many trains are in each box?
- \_\_\_\_\_

- Brendan is adding to his CD collection. He buys 6 CDs at \$14.97 each. How much money does he spend on the CDs?  
**A** \$89.62  
**B** \$89.82  
**C** \$90.02  
**D** \$90.22
- Rosa says her baby sister is 1 yard tall. How tall is Rosa's sister in inches?  
**A** 48 inches  
**B** 40 inches  
**C** 36 inches  
**D** 20 inches
- The table shows the numbers that were put into a machine and the different numbers that came out of the machine.

In	Out
2	10
7	35
9	45
11	55

Based on the information in the table, what happened to each number that was put into the machine?

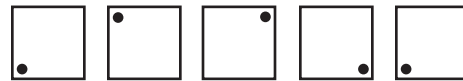
- It had 5 added to it.
- It was multiplied by 5.
- It had 5 subtracted from it.
- It was divided by 5.

- Evaluate the expression  $g \times 11$  for  $g = 5$ .  
 \_\_\_\_\_

- Compare. Use  $<$ ,  $>$ , or  $=$ .

$$722,982 \bigcirc 722,892$$

- Look for a pattern. Draw the next two shapes.



- Write the word form of 363,239.  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_

- Add.

$$652 + 789 = \underline{\hspace{2cm}}$$

Name \_\_\_\_\_

Choose the best answer.

1. Ms. Franklin bought a used car for \$7,250. She buys the car with 5 equal payments. How much is each payment?  
  
**A** \$105  
**B** \$145  
**C** \$1,050  
**D** \$1,450
  
2. Each of 24 students in a class are given a set of building blocks. Each set has 16 blocks. How many blocks do the students have in all?  
  
**A** 144 blocks  
**B** 240 blocks  
**C** 344 blocks  
**D** 384 blocks
  
3. In 2010 there were 819,761 people living in South Dakota, and 900,877 people living in Delaware. How many more people lived in Delaware than in South Dakota?  
  
**A** 81,116  
**B** 91,116  
**C** 101,116  
**D** 119,116

4. Draw a rectangle that shows  $\frac{7}{12}$ . Explain how you made your drawing.

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5. Write the decimal 0.4 as a fraction in simplest form.

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6. **Mental Math** What is  $\frac{3}{4}$  of 24?

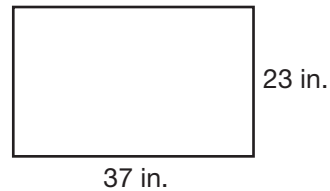
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Name \_\_\_\_\_

Choose the best answer.

- 1. Mental Math** Mr. Rudden saves \$600 each month. How much money will he save after 1 year?  
**A** \$2,400  
**B** \$6,000  
**C** \$7,200  
**D** \$31,200
2. Monique wants to know the capacity of a washtub. What unit of measure should she use?  
**A** cup  
**B** gallon  
**C** pint  
**D** quart
3. The population of the Des Moines, Iowa area was 562,906 in 2009. What is the population rounded to the nearest ten thousand?  
**A** 560,000  
**B** 562,910  
**C** 563,000  
**D** 600,000

Use the figure here for **4** and **5**.



4. Find the perimeter of the rectangle shown.  
\_\_\_\_\_
5. Find the area of the rectangle shown.  
\_\_\_\_\_
6. What are the next two numbers in the pattern?  
7, 21, 63, 189, ...  
\_\_\_\_\_

Choose the best answer.

1. Vanessa buys 4 tickets to a show. Each ticket costs \$14.50. How much does she pay in all for the tickets?

- A \$54
- B \$56
- C \$58
- D \$60

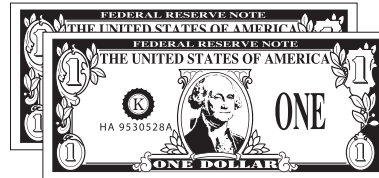
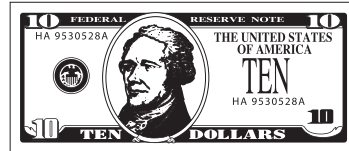
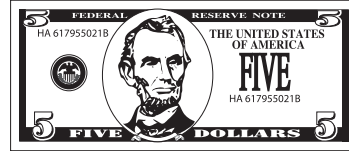
2. A box of egg cartons has 8 cartons of eggs in it. Each carton has a dozen eggs. How many eggs are in 5 boxes?

- A 40 eggs
- B 400 eggs
- C 480 eggs
- D 4,000 eggs

3. Which amount of money is the greatest?

- A 5 dimes, 2 nickels, 4 pennies
- B 2 quarters, 3 dimes
- C 1 quarter, 4 dimes, 4 nickels
- D 18 nickels

4. Anita has the money shown below. How much money does she have?



\_\_\_\_\_

5. **Mental Math** Write two fractions that are equivalent to  $\frac{16}{24}$ .

\_\_\_\_\_

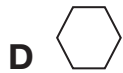
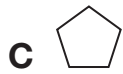
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6. Luis wants to buy a new baseball glove. The glove he wants costs \$85. He can save \$5 each week. How many weeks will it take for him to save enough to buy the glove?

\_\_\_\_\_

Choose the best answer.

1. **Mental Math** Which is the next shape in this pattern?



2. **Mental Math** Nydia collects stamps. She has 240 stamps. She wants to put the same number of stamps on each page of a 20-page album, with no pages left over. How many can she put on each page?

- A 11 stamps  
B 12 stamps  
C 13 stamps  
D 14 stamps

3. Paula has a marker that is  $5\frac{3}{8}$  inches long. Eric has a marker that is  $4\frac{5}{8}$  inches long. How much longer is Paula's marker than Eric's marker? Write your answer in simplest form.
- \_\_\_\_\_

4. Mark's cat weighs 9 pounds 4 ounces now. Last year his cat weighed 8 pounds 10 ounces. How much more does Mark's cat weigh now?
- \_\_\_\_\_

5. Harriet gets out of school at 3:20 P.M. She spends 1 hour 45 minutes with a friend after school before she gets home. What time does she get home?
- \_\_\_\_\_



1. Mr. Jackson's dog is 52 centimeters tall. Which of these measurements is equal to 52 centimeters?

**A** 5.2 millimeters  
**B** 520 decimeters  
**C** 0.52 meters  
**D** 0.0052 kilometers

2. Ben drew the figure below.



Which name below does **NOT** describe this figure?

**A** rectangle  
**B** rhombus  
**C** square  
**D** trapezoid

3. There are 18 flower seeds in each packet. Mr. Doyle buys 4 packets. How many flower seeds does he buy?

**A** 432  
**B** 72  
**C** 56  
**D** 42

4. Selena is decorating square tiles to use in her kitchen. One side of each tile is 12 centimeters. What is the perimeter of each tile?

**A** 12 cm  
**B** 24 cm  
**C** 48 cm  
**D** 84 cm

5. **Estimation** Brian was asked to round 4,449 to the nearest hundred. He said it was 4,500 because 4,449 rounded to the nearest ten is 4,450 and 4,450 rounds to 4,500. Is he correct? Why or why not?

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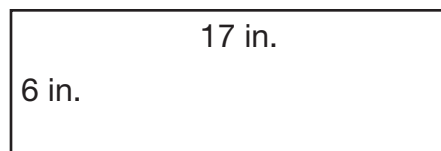
6. Look for a pattern. What are the next two numbers?

1, 3, 7, 13, 21, 31, 43, 57, \_\_\_\_\_, \_\_\_\_\_

7. Simplify:  $\frac{9}{12}$ .

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8. What is the area of the figure below?



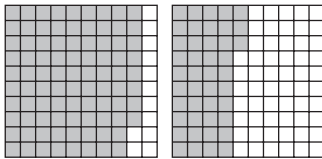
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- Four friends used a tape measure to find their heights in inches. Which shows their heights in order from least to greatest?  
  
**A** 39, 57, 46, 43  
**B** 43, 46, 57, 39  
**C** 39, 43, 46, 57  
**D** 57, 46, 43, 39
- Jack has 106 toy cars. He gives 9 to his friend Steve and 41 to his sister Dana. How many toy cars does Jack have now?  
  
**A** 46  
**B** 50  
**C** 56  
**D** 65
- Josh has 48 stickers and wants to share them with 8 friends. He wants to give each friend the same number of stickers. Which number sentence is in the same fact family as  $48 \div 8 = \square$ ?  
  
**A**  $48 \times 6 = \square$   
**B**  $6 \times \square = 48$   
**C**  $48 \div 16 = \square$   
**D**  $\square \times 8 = 16$
- Estimation** Clint has 188 marbles. How many marbles does he have rounded to the nearest hundred?  
  
\_\_\_\_\_
- If Jane rides her bike 3 miles each day for 2 weeks, how many miles will Jane have ridden her bike?  
  
\_\_\_\_\_
- Hugo walked 2 miles on Thursday. He walked twice as many miles on Friday. On Saturday, he walked a mile more than he did on Friday. How many miles did Hugo walk on Saturday?  
  
\_\_\_\_\_

1. Tom has 12 compartments in his tackle box. In each compartment he has 5 fishing lures. How many fishing lures does he have in his tackle box?

- A 72
- B 60
- C 48
- D 17

2. Nick has \$0.88 in his left pocket and \$0.43 in his right pocket. How much money does he have in both pockets? Use the decimal grids shown below to help you add.



- A \$0.31
- B \$0.45
- C \$1.21
- D \$1.31

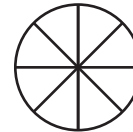
3. **Mental Math** Paula has picked 360 blueberries. She plans to make 12 blueberry muffins and wants to have the same number of blueberries in each muffin. How many blueberries should she put into each muffin?

- A 120
- B 90
- C 60
- D 30

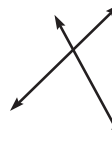
4. Jessica has two sticks. The sticks are the same distance apart at every point. How would you best describe the sticks?

\_\_\_\_\_

5. Shade in the circle to show a fraction equivalent to  $\frac{4}{8}$ .



6. What is a geometric term for the lines below?



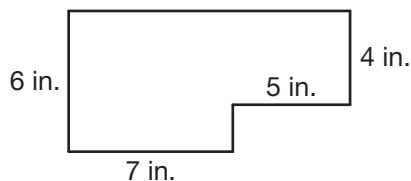
\_\_\_\_\_

Choose the best answer.

1. Fran has 3 flowers growing in the window. They are  $\frac{3}{4}$  foot,  $\frac{2}{3}$  foot, and  $\frac{5}{6}$  foot. Write the heights of the three flowers in order from least to greatest.

- A**  $\frac{2}{3}$ ,  $\frac{3}{4}$ ,  $\frac{5}{6}$   
**B**  $\frac{2}{3}$ ,  $\frac{5}{6}$ ,  $\frac{3}{4}$   
**C**  $\frac{5}{6}$ ,  $\frac{2}{3}$ ,  $\frac{3}{4}$   
**D**  $\frac{5}{6}$ ,  $\frac{3}{4}$ ,  $\frac{2}{3}$

Use the figure shown for items 2 and 3.



2. What is the area of the figure?
- A** 12 square inches  
**B** 42 square inches  
**C** 62 square inches  
**D** 72 square inches
3. What is the perimeter of the figure?
- A** 20 inches  
**B** 28 inches  
**C** 30 inches  
**D** 36 inches

4. Find the product.

$$4,619$$

$$\times \quad 7$$


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5. **Estimation** Mr. Robbins has \$2,730 in his checking account and \$11,019 in his savings account. Round to the nearest hundred and add to find about how much money he has in both accounts combined.
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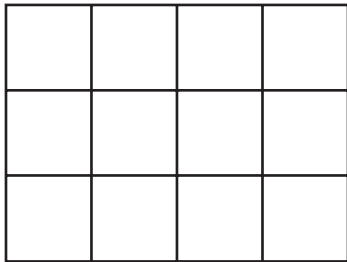
Name \_\_\_\_\_

Choose the best answer.

1. Juana walks 2 miles every day. If she does this for all 52 weeks this year, how many miles will she walk?

- A 54 miles
- B 104 miles
- C 364 miles
- D 728 miles

Use the figure shown for items 2 and 3.



2. What fraction is equivalent to  $\frac{8}{12}$ ?

- A  $\frac{1}{2}$
- B  $\frac{2}{3}$
- C  $\frac{3}{4}$
- D  $\frac{5}{6}$

3. What fraction is equivalent to  $\frac{9}{12}$ ?

- A  $\frac{2}{8}$
- B  $\frac{4}{8}$
- C  $\frac{3}{4}$
- D  $\frac{5}{6}$

4. Find the quotient of  $2,568 \div 6$ . Show your work.

\_\_\_\_\_

5. **Estimation** A local minor league baseball team had 458,673 people show up to its games last summer. Round this number to the nearest hundred thousand.

\_\_\_\_\_

1. How much change would you get for a purchase of \$7.67 if you paid with a \$20 bill?

**A** \$10.62  
**B** \$11.33  
**C** \$12.33  
**D** \$12.62

2. Find  $600 - 443$ .

**A** 157  
**B** 167  
**C** 257  
**D** 267

3. Zoe had 10 cookies and made 6 more. Then she gave 8 away. Which expression indicates how many cookies Zoe has left?

**A**  $10 + (6 + 8)$   
**B**  $(10 + 6) - 8$   
**C**  $(12 - 10) + 8$   
**D**  $12 - 2(10 - 1 - 8)$

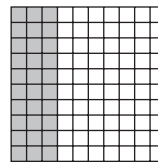
4. **Mental Math** Which multiplication fact can help you find  $32 \div 4$ ?

**A**  $2 \times 8$   
**B**  $3 \times 8$   
**C**  $4 \times 6$   
**D**  $4 \times 8$

5. Folger Elementary School had 236 students. Then, 7 more students came. Write a number sentence that shows the new number of students.

\_\_\_\_\_

6. Write the word form for the decimal that is shaded below.



\_\_\_\_\_

7. Write the missing numbers.

1, 3, 5, 7, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

8. Compare 102,732  $\bigcirc$  103,832.

Name \_\_\_\_\_

Choose the best answer.

1. Kris is making a bowl of punch. He adds 5 quarts of cranberry juice,  $1\frac{1}{2}$  gallons of orange juice, and 6 pints of pineapple juice. How much punch does Kris make?

A 14 pints  
B 14 quarts  
C 17 quarts  
D 20 pints

2. What fraction is equivalent to 0.7?

A  $\frac{3}{5}$   
B  $\frac{7}{10}$   
C  $\frac{3}{4}$   
D  $\frac{4}{6}$

3. Which number sentence is part of the same fact family as  $7 \times 9 = 63$ ?

A  $63 \div 7 = \square$   
B  $9 \times 63 = \square$   
C  $7 + \square = 63$   
D  $\square \div 63 = 9$

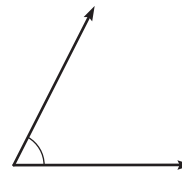
4. Rory has 3 rows of vegetables in his garden. Each row has 14 plants. How many plants does Rory have in his vegetable garden?

\_\_\_\_\_

5. **Mental Math** What number comes next in this pattern: 5, 11, 17, 23, 29, ...?

\_\_\_\_\_

6. What is the measure of the angle shown?



\_\_\_\_\_

1. **Mental Math** A bowling alley has 10 pins in each lane. There are 24 lanes. How many pins are in the bowling alley?

A 24  
B 240  
C 2,400  
D 24,000

2. William has 143 books. How many books does he have, rounded to the nearest ten?

A 200  
B 140  
C 110  
D 100

3. Juan drew the picture of a house shown below.



Which part of the house appears to have an obtuse angle?

A roof  
B walls  
C door  
D windows

4. At a camp there are 39 cabins. Each cabin has 6 windows. How many windows are there total?

\_\_\_\_\_

5. Give the value of the underlined digit.

697,002

\_\_\_\_\_

6. Betty has 131 roses. She put 6 roses in each of 21 vases. How many roses does Betty have left over?

\_\_\_\_\_



1. Luke bought a keychain for \$0.58. He gave the cashier \$1.00. How much change should he get back?

**A** \$0.52  
**B** \$0.42  
**C** \$0.32  
**D** \$0.12

2. Mrs. Pierce has 100 coins in her collection. She keeps the coins in 5 boxes. Each box has the same number of coins. How many coins are in each box?

**A** 20  
**B** 25  
**C** 30  
**D** 35

3. Lynette drew the figure shown below.



What figure did Lynette draw?

**A** pentagon  
**B** triangle  
**C** quadrilateral  
**D** hexagon

4. **Estimation** A restaurant bought 13 boxes of ketchup. Each box has 32 bottles of ketchup. Write and solve a number sentence using compatible numbers to estimate the number of bottles the restaurant purchased.

\_\_\_\_\_

5. Which digit is in the hundreds place of 1,236?

\_\_\_\_\_

6. A spider has 8 legs. How many legs do 6 spiders have?

\_\_\_\_\_

1. **Estimation** Mrs. Jackson has 806 CDs. How many CDs does she have rounded to the nearest ten?

- A 800
- B 805
- C 810
- D 900

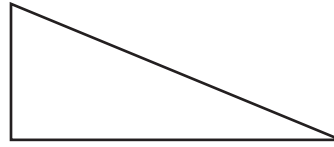
2. Harvey can read 17 pages in one hour. In one month, he spent 12 hours reading. How many pages did Harvey read that month?

- A 204
- B 194
- C 104
- D 51

3. John has \$0.72. His sister has \$0.21. How much do they have together?

- A \$0.63
- B \$0.73
- C \$0.83
- D \$0.93

4. What type of triangle is shown?



\_\_\_\_\_

5. Wendell has 213 popsicle sticks. He uses 114 popsicle sticks to make a model house. How many does he have left over?

\_\_\_\_\_

6. Draw a hexagon.

1. **Estimation** What is 530,938 rounded to the nearest thousand?

**A** 530,000  
**B** 530,900  
**C** 531,000  
**D** 500,000

2. Gavin is 48 inches tall. How many feet is this? Remember, there are 12 inches in 1 foot.

**A** 4 feet  
**B** 12 feet  
**C** 16 feet  
**D** 144 feet

3. Seth has a stamp collection. His mother is going to give him 4 stamps. What can Seth do to find out how many stamps he will have after getting stamps from his mother?

**A** Add 4 to the number of stamps he has now.  
**B** Multiply the number of stamps he has now by 4.  
**C** Divide the number of stamps he has now by 4.  
**D** Subtract 4 from the number of stamps he has now.

4. Jan has five \$1 bills, 3 quarters, and 4 dimes. How much money does she have?

**A** \$6.45  
**B** \$6.35  
**C** \$6.25  
**D** \$6.15

5. Draw a line to separate the figure below into two separate shapes. Name the two figures that your line creates. Use specific names.



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6. A camper has 6 storage compartments. Each compartment can hold 3 sleeping bags. If there are 17 sleeping bags to be stored, how many compartments will be used? How many sleeping bags will be in the compartment that is not completely filled?

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7. Juan bought a sweater for \$15.95 and two shirts for \$9.00 each. How much did Juan spend on clothes?

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1. The table below shows how much money four family members spent on their vacation.

Name	Amount Spent
Brenda	\$16.70
Kirk	\$17.76
Allison	\$61.70
Lee	\$17.60

Which of the following shows the money amounts in order from greatest to least?

- A** \$17.60, \$16.70, \$61.70, \$17.76  
**B** \$61.70, \$17.76, \$16.70, \$17.60  
**C** \$16.70, \$17.60, \$17.76, \$61.70  
**D** \$61.70, \$17.76, \$17.60, \$16.70
2. **Mental Math** Tyler drew a line that was 5 feet long. How many inches are in five feet?
- A** 12 inches  
**B** 36 inches  
**C** 48 inches  
**D** 60 inches
3. Where would placing the number 7 make the number sentence true?
- A**  $9 \times \square = 72$   
**B**  $\square \times 8 = 56$   
**C**  $4 \times \square = 48$   
**D**  $\square \times 7 = 77$

4. What is  $\frac{4}{12}$  in simplest form?

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5. Taryn cuts a triangle, a square, and a pentagon out of wood. The first shape she cuts has more sides than the second but fewer sides than the third. In what order does she cut the shapes?

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6. The Kings County school district has 487 fourth-grade students. Of these, 251 are girls. How many fourth graders are boys?

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