

Teacher Created Resources®

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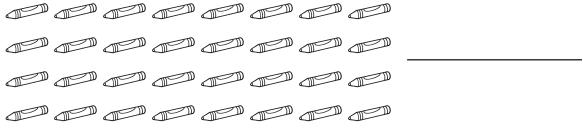
Grade

Z

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1. How many crayons are shown below? Write the answer as a multiplication problem on the line.



**2.** Which answer choice below is **true**? (*Circle the correct letter.*)

Numbers and Numeration



**1.** Which answer choice below is **false**? (*Circle the correct letter*.)

**A.** 119 = one hundred nineteen **C.** 410 = four hundred ten

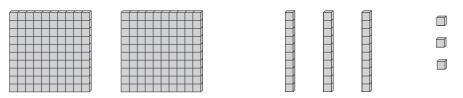
**B.** 223 = two hundred twenty-six **D.** 387 = three hundred eighty-seven

2. Margaret is counting her money. She has 7 one-dollar bills and 8 ten-dollar bills. Use the chart below to show how much money Margaret has.

| Hundreds | Tens | Ones |
|----------|------|------|
|          |      |      |
|          |      |      |
|          |      |      |



1. Solve the problem.



\_\_\_\_ hundreds and \_\_\_\_ tens and \_\_\_ ones = \_\_\_\_

**2.** Fill in the circle with the correct symbol (<, =, or >).

122 one hundred fifty-three

Numbers and Numeration



1. Write the numbers below.

fifteen = \_\_\_\_\_ sixty-three = \_\_\_\_\_

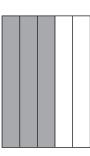
twenty-seven = \_\_\_\_\_ eighty-one = \_\_\_\_\_

2. Circle the odd numbers.

1. Circle the fraction that names the shaded part.

<u>1</u>

<u>3</u> 5 <u>2</u>



**2.** Brandi has 45¢. Maci has 8¢ more than Brandi. How much money does Maci have? (Write your answer on the line.)















Numbers and Numeration

Name \_\_\_\_\_ Date \_\_\_\_\_

**1.** George's mother gave him some money. Write how much money George has on the line.















2. Peter picked 148 apples off an apple tree. On the line, write the number 148 in words.



**1.** What fraction of the circles have the number 2 printed on them? (*Circle the correct letter.*)



- **A.**  $\frac{3}{3}$
- **B.**  $\frac{1}{3}$
- **C**.  $\frac{1}{2}$
- **D.**  $\frac{2}{3}$
- 2. Which number is missing from the number line? (Circle the correct letter.)





- **C.** 69
- **D.** 70

- 68
- 70
- 71
  - 12

Numbers and Numeration



1. Which symbol belongs in the oval? (Circle the correct letter.)



**A**. >

B. <

- c. =
- **2.** Which rectangle shows  $\frac{3}{4}$  shaded? (*Circle the correct letter.*)
  - A.



B.



C.



#### Warm-Up 1

1. C

2.





#### Warm-Up 2

- 1. one hundred forty-eight
- 2. one hundred ninety-eight

#### Warm-Up 3

- 1.  $8 \times 4 = 32 \text{ or } 4 \times 8 = 32$
- 2. D

#### Warm-Up 4

- 1. B
- 2.

| Hundreds | Tens | Ones |
|----------|------|------|
|          | \$8  | 7    |

#### Warm-Up 5

1.

| Hundreds | Tens | Ones |
|----------|------|------|
|          | 3    | 2    |

2. B

#### Warm-Up 6

- 1. D
- 2. 1/2 or one-half

#### Warm-Up 7

- 1.  $\underline{2}$  hundreds and  $\underline{3}$  tens and  $\underline{3}$  ones =  $\underline{233}$
- 2. <

#### Warm-Up 8

- 1. 15, 27, 63, 81
- 2. 1, 3, 5, 7, 9

#### Warm-Up 9

- 1. 421
- 2. B

#### Warm-Up 10

- 1. B
- 2. 710

#### Warm-Up 11

- 1. JHL JHL JHL III
- 2. >

#### Warm-Up 12

- 1. 376
- 2A. 1/2
- 2B. 1/3

#### Warm-Up 13

- 1. 56
- 2. C

#### Warm-Up 14

- 1. 41
- 2. C

#### Warm-Up 15

- 1. D
- 2. 40, 50

#### Warm-Up 16

- 1. D
- 2. C

#### Warm-Up 17

- 1. A
- 2A. tens
- 2B. ones
- 2C. hundreds

#### Warm-Up 18

1.

|      | Tens | Ones |
|------|------|------|
| 84 = | 8    | 4    |
| 12 = | 1    | 2    |
| 53 = | 5    | 3    |

2. False

#### Warm-Up 19

- 1. 27, 80, 14, 105 44, 97, 40, 160
- 2. 212

#### Warm-Up 20

- 1. twenty-seven, one hundred forty-five, eighty-nine, forty-six
- 2. 8 tens + 4 ones

#### Warm-Up 21

- 1. 3/5
- 2. 53¢

#### Warm-Up 22

- 1. 94¢
- 2. one hundred forty-eight

#### Warm-Up 23

- 1. 5 is closer to 10
  - 11 is closer to 10
  - 18 is closer to 20
  - 16 is closer to 20
- 2. Smallest: 34 Largest: 98

#### Warm-Up 24

- 1. 48, 50, 51
- 2. 21, 22, 23

#### Warm-Up 25

- 1. B
- 2. B

#### Warm-Up 26

- 1. A
- 2. B

#### Warm-Up 27

- 1. B
- 2. C

#### Warm-Up 28

- 1. C
- 2. B

#### Warm-Up 29

- 1. B
- 2. C

#### Warm-Up 30

- 1. A
- 2. C

#### Warm-Up 31

- 1. 204
- 2. 115, 125, 189, 198

#### Warm-Up 32

- 1. 21
- 2. 44, 45, 46, 47, 48

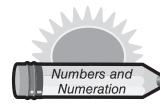
#### Warm-Up 33

1. Hundreds Tens Ones

1 4 5

2. Gale

- 1. D
- 2. 1/4



#### Warm-Up 35

- 1. 62¢
- 2. 3

#### Warm-Up 36

- 1. 147
- 2. D

#### Warm-Up 37

- 1. C
- 2. 1

#### Warm-Up 38

- 1. 100
- 2. D

#### Warm-Up 39

- 1. 89
- 2. sixty-seven

#### Warm-Up 40

- 1. 94 (grid)
- 2. 1/2 shaded, 2/3 shaded

#### Warm-Up 41

- 1. False True
- 2. D

#### Warm-Up 42

- 1. B
- 2. 35

#### Warm-Up 43

- 1. 2 hundreds, 5 tens, 3 ones
- 2. L

#### Warm-Up 44

- 1. eight, five, three, seven
- 2. 125

#### Warm-Up 45

- 1. 1 hundred and 3 tens and 3 ones = 133
- 2. >

#### Warm-Up 46

- 1. 44, 86, 12, 49, 63, 41, 13, 81, 23, 46, 30, 57
- 2. =

#### Warm-Up 47

- 1. 4
- 2. 483

#### Warm-Up 48

- 1. 166, 167
- 2A. 3/4
- 2B. 2/3

#### Warm-Up 49

- 1. 74, 75
- 2. 3 tens and 4 ones = 34

#### Warm-Up 50

- 1. C
- 2A. 1/2
- 2B. 2/4

#### Warm-Up 51

- 1. Seventh bat should be circled.
- 2. 5 tens and 6 ones = 56

#### Warm-Up 52

- 1. B
- 2A. 2/4
- 2B. 1/2

#### Warm-Up 53

- 1. 15, 20, 30, 40, 45
- 2. =

#### Warm-Up 54

- 1. B
- 2. B

#### Warm-Up 55

- 1. 9¢
- 2. B

#### Warm-Up 56

- 1. 12
- 2. B

#### Warm-Up 57

- 1. A
- 2. No

#### Warm-Up 58

- 1. C
- 2. C

#### Warm-Up 59

- 1. 30, 40, 60, 120, 160, 200
- 2. 293

## 'Answer Key

#### Warm-Up 60

- 1. C
- 2. 198, 145, 144, 112, 87, 42

#### Warm-Up 61

- 1. 30, 60
- 2. C

- 1. B
- 2. 7 tens and 0 ones



1. Terry added 15 to a number and got the number displayed on the calculator. What number did she add to make 53? (Write your answer on the line.)



2. Mark is learning to play the guitar. He practiced 2 hours on Monday, 3 hours on Tuesday, and 4 hours on Wednesday. How many hours did Mark practice altogether? (Write your answer on the line.)

\_\_\_\_ hours



Operations



1. Jack has 12 yellow toy cars. His cousin gave him 5 more. Which model below shows how many toy cars Jack now has? (Circle the correct letter.)

A. | | | |

B.

c.

**D.** 

**2.** Answer the problem below.

 $74 - \underline{\phantom{0}} = 17$ 



- 1. There are 248 students at Dawson Elementary. Seventy-eight students went on a field trip. How many students were left at school? (Circle the correct letter.)
  - **A.** 170
  - **B.** 326
  - **C.** 230
- **2.** Fill in the circle with the correct symbol (<, >, or =).



Operations

Warm-Up 6

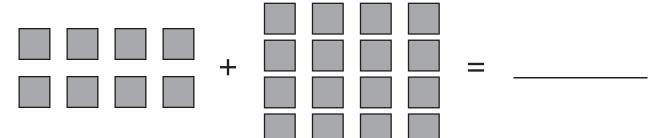
Warm-Up 6

**1.** Mark and Jim are playing cards. They make a mark by their name for each game they win. How many games did Mark win? (Write your answer on the line.)

Mark won \_\_\_\_\_ games.

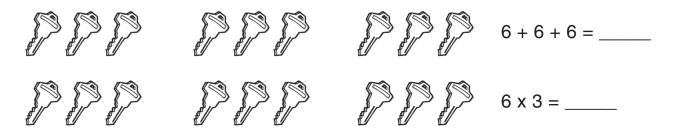
|   | Games won |   |   |      |  |  |  |
|---|-----------|---|---|------|--|--|--|
|   | Jim       |   |   | Mark |  |  |  |
| Ш | Ш         | Ш | Ш | Ш    |  |  |  |

2. Write the answer to the problem on the line.





1. Answer the problems below.



2. Answer the problem below.

.....

Operations



1. Answer the problems below.

A.



$$2 + 2 + 2 =$$

B.



2. Nancy baked a dozen cookies. Her brother ate half of the cookies. How many cookies were left? (Write your answer on the line.)

\_\_\_\_\_ cookies

















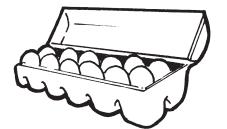






**1.** Lee puts a dozen eggs on the stove. He put cheese on half the eggs. How many eggs do not have cheese? (Write your answer on the line.)

\_\_\_\_\_ eggs do not have cheese



2. Answer the problem below.

$$4 + 5 - 3 =$$

Operations

Operations



- 1. Ty had 25 blocks. He got 8 more for his birthday. How many blocks does he now have? (Circle the correct letter.)
  - **A.** 17
- **B.** 33
- **C.** 23
- **2.** What number is five more than 14 6? (Circle the correct letter.)
  - **A.** 8
- **B.** 13
- **C.** 14



#### Warm-Up 1

- 1. 38
- 2. 9

#### Warm-Up 2

- 1. C
- 2. 57

#### Warm-Up 3

- 1. 11, 11, 4, 7
- 2. 11

#### Warm-Up 4

- 1. 24
- 2. 24

#### Warm-Up 5

- 1. A
- 2. <

#### Warm-Up 6

- 1. 12
- 2. 24

#### Warm-Up 7

- 1. 17
- 2. 52

#### Warm-Up 8

- 1. 18
- 2. 8

#### Warm-Up 9

1. Sample Answer:

$$23 - 16 = 7$$

2. B

#### Warm-Up 10

- 1. Numbers will vary.
- 2. 30

#### Warm-Up 11

- 1. 18, 18
- 2. 3

#### Warm-Up 12

- 1A. 6, 6
- 1B. 8, 8
  - 2. 6

#### Warm-Up 13

- 1. 27
- 2. Answers will vary.

#### Warm-Up 14

- 1. 6
- 2. 173
  - $\frac{-93}{80}$

#### Warm-Up 15

- 1. 6
- 2. 6

#### Warm-Up 16

- 1. B
- 2. B

#### Warm-Up 17

- 1. 46 34 = 12
- 2. 15

#### Warm-Up 18

- 1. 258
- 2. B

#### Warm-Up 19

- 1. C
- 2. 40

#### Warm-Up 20

- 1. 10
- 2. You take 34 football cards and add 9 more. The total is 43 cards.

#### Warm-Up 21

- 1. >
- 2. 64

#### Warm-Up 22

- 1. 18
- 2. 576

#### Warm-Up 23

- 1. 18
- 2. 88

#### Warm-Up 24

- 1. 10
- 2. 16

#### Warm-Up 25

- 1. 23
- 2. 81, 13, 127, 25

#### Warm-Up 26

- 1. A
- 2. 15

#### Warm-Up 27

- 1. B
- 2. 150, 46, 141, 56

#### Warm-Up 28

- 1. B
- 2. 6

#### Warm-Up 29

- 1. 14
- 2. <

#### Warm-Up 30

- 1. 5
- 2. 9

#### Warm-Up 31

- 1. C
- 2. 4

#### Warm-Up 32

- 1. 5
- 2. 103

#### Warm-Up 33

- 1. D
- 2. C

#### Warm-Up 34

- 1. C
- 2. 5

#### Warm-Up 35

- 1. 11
- 2. C
- Warm-Up 36
  - 1. C
  - 2. 14

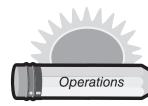
#### Warm-Up 37

- 1. 71
- 2. 25

#### Warm-Up 38

- 1. 35
- 2. 20

- 1. 26
- 2. 16, 16



#### Warm-Up 40

- 1. 19
- 2. 11

#### Warm-Up 41

- 1. 6, 6
- 2. 8, 8

#### Warm-Up 42

- 1. 12
- 2. 12, 12

#### Warm-Up 43

- 1. 23
- 2. Answers will vary.

#### Warm-Up 44

- 1. 8
- 2. 8, 129, 52, 129

#### Warm-Up 45

- 1. Answers will vary.
- 2. 4

#### Warm-Up 46

- 1. 5
- 2. 3

#### Warm-Up 47

- 1. Answers will vary.
- 2. 2

#### Warm-Up 48

- 1. 3
- 2. 4

#### Warm-Up 49

- 1. 18
- 2. 24

#### Warm-Up 50

- 1. 48
- 2. 56

#### Warm-Up 51

- 1. 12
- 2. 235

#### Warm-Up 52

- 1. C
- 2. 131

#### Warm-Up 53

- 1. 8
- 2. 196

#### Warm-Up 54

- 1. B
- 2. 12

#### Warm-Up 55

- 1. 6
- 2. C

#### Warm-Up 56

- 1. C
- 2. <

#### Warm-Up 57

- 1. C
- 2. C

#### Warm-Up 58

- 1. 12
- 2. 8

#### Warm-Up 59

- 1. 12, 12
- 2. 9

#### Warm-Up 60

- 1. 6, 6
- 2. 77¢

#### Warm-Up 61

1.

7 6 9 13 12 1 10 4 2 3 14 3 5 7 1 12 11 13 9 8 6 7 13 8 10 1 7 9 2 5

2. 17 rows—
$$85 \div 5 = 17$$

- 1. C
- 2. Sample Answer:

$$6 + 5 = 11$$

- 1. Which shape below could be made by putting together the two triangles below? (Circle the correct letter.)
  - A. rectangle









2. Write the answers on the lines.

There are \_\_\_\_\_ days in a week.

There are \_\_\_\_\_ minutes in an hour.

Measurement and Geometry

Name \_\_\_\_\_ Date \_\_\_\_\_

**1.** Look at both clocks. How many minutes have passed? (Circle the correct letter.)

A. 25 minutes

B. 30 minutes

C. 35 minutes





2. Circle the letter of the container that holds 4 quarts of liquid.

A.



В.

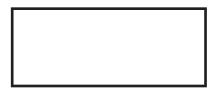


C.





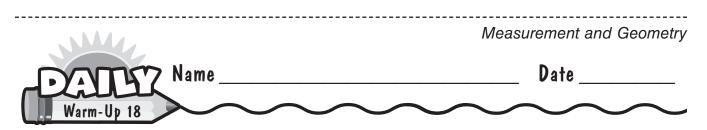
1. Mrs. Watkins drew the figure below on the board. She asked a student if the figure had at least one line of symmetry. If the student answered correctly, what answer did the student give? (Circle the correct answer.)



Yes No

**2.** A square has four corners and four sides. (Circle the correct answer.)

#### **True False**



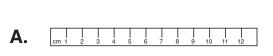
- 1. Linda drew two shapes on the chalkboard. What two shapes did she draw? (Circle the correct letter.)
  - A. octagon and pentagon
  - **B.** pentagon and cube
  - C. circle and hexagon
  - **D.** pentagon and hexagon
- 2. Estimate how many faces long the paintbrush is. (Write your estimate on the line.)



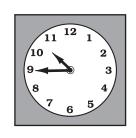
\_\_\_\_\_ smiley faces long



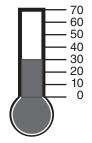
**1.** Which can be used to measure temperature? (Circle the correct letter.)





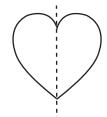


C



2. Which figure **could not** be folded on the line to show equal parts? (Circle the correct letter.)

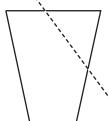
A.



B.



C.



Measurement and Geometry

Warm-Up 22

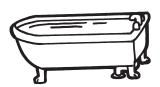
Name

Date

Date

1. Which object holds the most liquid? (Circle the correct letter.)

A.



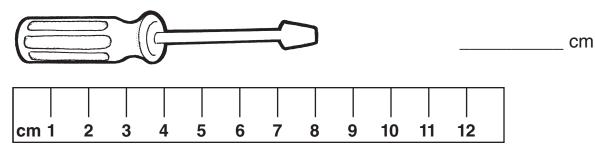
В.



C.

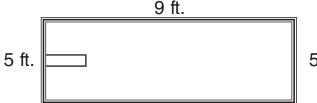


2. How many centimeters long is the tool? (Write your answer on the line.)





**1.** Reba is having a pool put in her back yard. How many feet are there around the pool? (Write your answer on the line.)



5 ft. \_\_\_\_\_ feet

9 ft.

**2.** Use the calendar to answer the question.

Today is May 3rd. Jake's birthday is on May 19th. How many more days until Jake's birthday?

\_\_\_\_\_ days

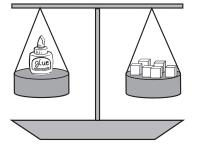
|             |          | Max     | y <b>2</b> 0 | $\Omega A$ |    |          |
|-------------|----------|---------|--------------|------------|----|----------|
|             |          |         |              |            |    |          |
| SUNDAY<br>1 | MONDAY 2 | TUESDAY | WEDNESDAY 4  | THURSDAY   | 6  | SATURDAY |
| l .         |          |         |              |            |    |          |
| 8           | 9        | 10      | 11           | 12         | 13 | 14       |
|             |          |         |              |            |    |          |
| 15          | 16       | 17      | 18           | 19         | 20 | 21       |
|             | 00       | 24      | 25           | 26         | 27 | 28       |
| 22          | 23       | 24      | 25           | 20         | 21 | 20       |
| 29          | 30       | 31      | -            | -          |    |          |
|             |          |         |              |            |    |          |

Measurement and Geometry

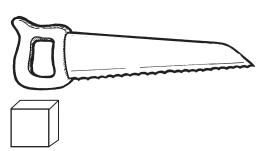


- 1. How many grams does the bottle of glue weigh? (Circle the correct letter.)
  - A. 12 grams
  - B. 8 grams
- $\Box$  = 2 grams

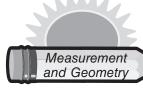
C. 6 grams



2. About how many cubes long is the tool below? (Write your answer on the line.)



\_\_\_\_ cubes



#### Warm-Up 1

- 1. D
- 2. 5:05

#### Warm-Up 2

- 1. D
- 2. A

#### Warm-Up 3

- 1. 7
- 2. B

#### Warm-Up 4

- 1. C
- 2. Alike

#### Warm-Up 5

- 1. A
- 2.



#### Warm-Up 6

- 1. C
- 2A. 4:25
- 2B. 1:30
- 2C. 2:45
- 2D. 5:35

#### Warm-Up 7

- 1. B
- 2. B

#### Warm-Up 8

- 1. B
- 2. B

#### Warm-Up 9

- 1. 3
- 2. C

#### Warm-Up 10

- 1. 16
- 2. A = 4, B = 8, C = 7

#### Warm-Up 11

- 1. C
- 2. 7, 60

#### Warm-Up 12

- 1. C
- 2. B

#### Warm-Up 13

- 1. Yes, No
- 2. A

#### Warm-Up 14

- 1. Answers will vary.

  (Example: One is a solid shape and one is a plane shape.)
- 2. C

#### Warm-Up 15

- 1. 62
- 2. 45 minutes

#### Warm-Up 16

- 1. C
- 2. pints

#### Warm-Up 17

- 1. Yes
- 2. True

#### Warm-Up 18

- 1. D
- 2. 4

#### Warm-Up 19

- 1. A
- 2. C

#### Warm-Up 20

- 1. B
- 2. 6

#### Warm-Up 21

- 1. C
- 2. C

#### Warm-Up 22

- 1. A
- 2. 8

#### Warm-Up 23

- 1. 28
- 2. 16

#### Warm-Up 24

- 1. A
- 2. 6

#### Warm-Up 25

- 1. 3
- 2. E, C, D, A

#### Warm-Up 26

- 1. May, 31, Thursday
- 2. 9

#### Warm-Up 27

- 1. Yes
- 2. C

#### Warm-Up 28

- 1. 12
- 2. 9, 11, 4

#### Warm-Up 29

- 1. Yes
- 2. D

#### Warm-Up 30

- 1. The one on the right is a solid shape and the other is a plane shape. Or, the one on the right is a sphere and the other is a circle.
- 2. 24

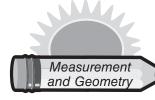
#### Warm-Up 31

- 1. C
- 2. (11 12 1 2 9 8 4 4 7 5 1

#### Warm-Up 32

- 1. False

- 1. Yes
- 2. \[ \begin{pmatrix} \begin{p



#### Warm-Up 34

- 1. C
- 2. D

#### Warm-Up 35

- 1. False, True
- 2. C

#### Warm-Up 36

- 1. B
- 2. A

#### Warm-Up 37

- 1. Alike
- 2. A

#### Warm-Up 38

- 1. Yes
- 2. 6, 6

#### Warm-Up 39

- 1. B, D, C, A
- 2. A, B, C, D

#### Warm-Up 40

- 1. B
- 2.



#### Warm-Up 41

- 1. B
- 2.



#### Warm-Up 42

- 1. B
- 2. A

#### Warm-Up 43

- 1. A
- 2. B

#### Warm-Up 44

- 1. B
- 2. B

#### Warm-Up 45

- 1. A
- 2. B

#### Warm-Up 46

- 1. No
- 2. C

#### Warm-Up 47

- 1. C
- 2.

#### Warm-Up 48

- 1. 12
- 2. 5

#### Warm-Up 49

- 1. Yes
- 2. Yes

#### Warm-Up 50

- 1. 14
- 2. 2:20, 3:25, 4:55, 6:30

#### Warm-Up 51

- 1. One is a rectangle and one is a square.
- 2. Circle the first object.

#### Warm-Up 52

- 1. B
- 2. Yes

#### Warm-Up 53

- 1. C
- 2. A

#### Warm-Up 54

- 1. A
- 2. C

#### Warm-Up 55

- 1. One is a rectangle and one is a cube.
- 2. 15

#### Warm-Up 56

- 1. C
- 2. B

#### Warm-Up 57

- 1. C
- 2. 2, 1, 3

#### Warm-Up 58

- 1. A
- 2.



#### Warm-Up 59

- 1. B
- 2. 2

#### Warm-Up 60

- 1. No
- 2. Alike

#### Warm-Up 61

- 1. C
- 2. A

- 1. Add the total of all sides. Perimeter is 8.
- 2. cube

1. Answer the following questions by circling the best answer.

Children like pizza.

Likely Not Likely

Ice melts fast in freezing weather.

**Likely Not Likely** 

2. Answer the questions below.

How many points does each  $\bigcirc$  equal?

Games Won

Brandi

\_\_\_\_points

Gordon OOOOO

How many more points did Gordon score than Brandi?

 $\bigcirc$  = 2 points

\_\_\_\_points

Graphs, Data and Probability



Name \_\_\_\_\_

Date \_\_\_\_\_

 James asked his friends which food they liked best. The following tallies are the answers his friends gave. Complete the graph using the marks beside each food.

Pizza

M M

Hamburger | ∭ | |

Chicken | | | |

Meatloaf



2. Lee has a bag of socks. There are 4 green socks and 8 blue socks. If he reaches in without looking, which color sock is he more likely to pick? (Write your answer on the line.)

1. Answer the problems below.

Most students eat breakfast before coming to school.

People enjoy eating popcorn at the movies. Likely **Not Likely** 

You will find a million dollars on your way to school.

Likely **Not Likely** 

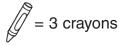
**Not Likely** 

**2.** Use the graph to answer the questions.

How many does each equal?



How many crayons does Heather have?



Likely

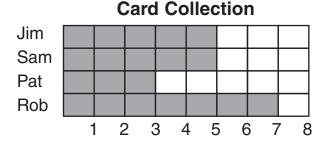
| Crayons |  |  |  |  |
|---------|--|--|--|--|
| Liz     |  |  |  |  |
| Heather |  |  |  |  |

Graphs, Data and Probability



1. Use the bar graph to answer the questions below.

Who has the least number of cards?



2. Circle the best answer below.

Who has the most cards?

You will read a book this year.

Likely **Not Likely** 

You will drive a car home from school.

Likely **Not Likely** 



1. Answer the following questions by circling the best answer.

You will be in school some time this month.

**Likely Not Likely** 

There will be a tornado, and there will be no school.

Likely

**Not Likely** 

2. Ben has 2 cylinders, 3 cubes, and 1 sphere in a bag. If he grabs a shape, which shape will he likely grab? (Circle the correct letter.)

A. cylinder

B. cube

C. sphere

| , Data and Probability |
|------------------------|
| ,                      |



Date

 Terry asked her class to name their favorite colors. Complete the graph to show the results.
 Favorite Color

| Resul  | ts |
|--------|----|
| Yellow | 5  |
| Red    | 9  |
| Green  | 4  |
| Blue   | 7  |

10 9 8 7 6 5 4 4 3 2 1 1 0 Yellow Red Green Blue

2. Look at the spinner. On what number will the spinner most likely land?

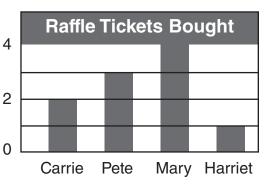
(Write your answer on the line.)

# Name \_\_\_\_\_ Date \_\_\_\_\_

**1.** Use the bar graph to answer the questions.

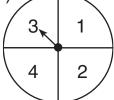
Which two students bought the most tickets? 4

How many tickets did Carrie and Mary buy combined?

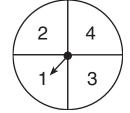


2. Which spinner has the best chance of landing on a 4? (Circle the correct letter.)

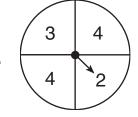
Α.



В.



\_



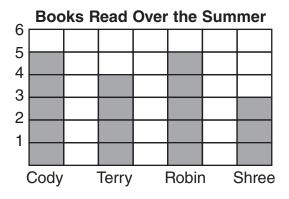
Graphs, Data and Probability

Warm-Up 20 Date \_\_\_\_\_\_ Date \_\_\_\_\_

**1.** Use the bar graph to answer the questions below.

Which two students read the most books?

How many books did Terry and Shree read altogether?



2. Orlando has 3 blue beads, 2 yellow beads, and 4 green beads in a jar. If he reaches in, what color will he **least** likely pick? (*Circle the correct letter.*)

A. blue

**B.** yellow

C. green



#### Warm-Up 1

- 1. Likely, Not Likely
- 2. 2, 4

#### Warm-Up 2

Favorite Food

Favorite Food

Pizza Hamburger Chicken Meatloa

2. blue

#### Warm-Up 3

- 1. True
- 2. 2 shakes, 12 shakes

#### Warm-Up 4

- 1. 5 marbles, Matt
- 2. Likely, Likely

#### Warm-Up 5

- 1. Likely, Likely, Not Likely
- 2. 3 crayons, 12 crayons

#### Warm-Up 6

- 1. Rob, Pat
- 2. Likely, Not Likely

#### Warm-Up 7

- 1. Likely
- 2. 2 cones, 22 cones

#### Warm-Up 8

- 1. Lou, 3 homeruns
- 2. blue

#### Warm-Up 9

- 1. 5 blue and green candies, 10 total
- 2. 4

#### Warm-Up 10

- 1. Mary, 15 flags
- 2. quarter

#### Warm-Up 11

- 1. Likely
- 2. 10, because there are more of them

#### Warm-Up 12

- 1. 20 letters, Cody and Maci
- 2. blue

#### Warm-Up 13

- 1. A
- 2. 18 people, tennis

#### Warm-Up 14

- 1. red, green
- 2. quarter

#### Warm-Up 15

- 1. Likely, Not Likely
- 2. B

#### Warm-Up 16

1.

Favorite Color

Favorite Color

Favorite Color

Favorite Color

Favorite Color

Favorite Color

2. 2

#### Warm-Up 17

- 1. Not Likely, Likely
- 2. A, B, B, B

#### Warm-Up 18

- 1. Answers will vary.
- 2. C

#### Warm-Up 19

- 1. Pete and Mary, 6 tickets
- 2. C

#### Warm-Up 20

- 1. Cody and Robin, 7 books
- 2. B

#### Warm-Up 21

- 1A. hexagon, 6
- 1B. pentagon, 5
- 1C. octagon, 8
  - 2. He will least likely pick a quarter. There are fewer quarters than other coins.

#### Warm-Up 22

- 1. Not Likely, Not Likely
- 2. True, True, True, True

#### Warm-Up 23

- 1. Unlikely, Likely
- 2. Likely, Unlikely

#### Warm-Up 24

- 1. Likely, Unlikely
- 2. True, True, True, True, True

Answer Key

#### Warm-Up 25

- 1. Likely, Likely
- 2. She will most likely pick a penny because there are more pennies (6).

#### Warm-Up 26

- 1. True
- 2. 4 students, 6 students

#### Warm-Up 27

- 1. Not Likely, Not Likely
- 2. 4 students, 12 students

#### Warm-Up 28

- 1. True, True
- 2. 60, 105

#### Warm-Up 29

1.

2. True, False

#### Warm-Up 30

- 1. True, False
- 2. brown, 12

#### Warm-Up 31

1. Student Transportation

2. Not Likely, Likely, Likely, Likely

#### Warm-Up 32

- 1. black
- 2. 1 teacher, SUV, 12 trucks and cars

- 1. A
- 2. 2 phone calls, 8 phone calls



#### Warm-Up 34

- 1. Francis, 8 games
- 2. Likely, Not Likely

#### Warm-Up 35

- 1. D
- 2. 10 tickets sold, 45 tickets

#### Warm-Up 36

- 1. 3 more miles, 21 miles
- 2. Likely, Not Likely

#### Warm-Up 37

- 1. 3, 29
- 2. C

#### Warm-Up 38

- 1. Linda, 14
- 2. C

#### Warm-Up 39

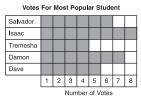
- 1. Likely, Likely
- 2. B, B, B, A

#### Warm-Up 40

- 1. 8, Hank, Matt
- 2. B

#### Warm-Up 41

1.



2. Unlikely, Unlikely

#### Warm-Up 42

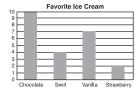
- 1. False, False
- 2. red, 5, 20

#### Warm-Up 43

- 1. Not Likely, Likely
- 2. A

#### Warm-Up 44

1.



2. False, True

#### Warm-Up 45

- 1. False, True, True
- 2. J, because there are more of them

#### Warm-Up 46

- 1. 27 movies, 9 movies
- 2. yellow

#### Warm-Up 47

- 1. C
- 2. 12, 12

#### Warm-Up 48

- 1. 15, red, green
- 2. True, True

#### Warm-Up 49

- Not Likely, Not Likely, Not Likely
- 2. 4 birds, 16 birds

#### Warm-Up 50

- 1. 8 trophies, David
- 2. Not Likely, Not Likely

#### Warm-Up 51

- 1. False
- 2. 3 letters written, 21

#### Warm-Up 52

- 1. 5 pencils and pens, 3 more crayons
- 2. Not Likely, Not Likely, Not Likely

#### Warm-Up 53

- 1. False, True, False, False
- 2. 3 presents, 6 more presents

#### Warm-Up 54

- 1. Answers will vary.
- 2. Likely, Unlikely, Likely

#### Warm-Up 55

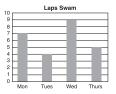
1. Not Likely, Not Likely, Likely, Not Likely

142

2. C

#### Warm-Up 56

1.



#### Warm-Up 57

- 1. apple, 4 more students
- 2.

| Ribbons Jed Won at Field Day |  |  |  |  |  |  |
|------------------------------|--|--|--|--|--|--|
| 1 <sup>st</sup> place        |  |  |  |  |  |  |
| 2 <sup>nd</sup> place        |  |  |  |  |  |  |
| 3 <sup>rd</sup> place        |  |  |  |  |  |  |

Answer Key

#### Warm-Up 58

- 1. Answers will vary.
- 2. Not Likely, Likely, Not Likely

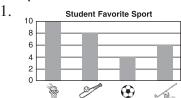
#### Warm-Up 59

- 1. C
- 2. A

#### Warm-Up 60

- 1. 11 sodas, 11 sodas
- 2. Not Likely, Likely

#### Warm-Up 61



2. Likely, Likely, Not Likely, Not Likely

- 1. C
- 2. rose, 4, 16 tulips



1. Solve the problem below.

$$24 - 10 = 14$$
 so  $24 - 14 =$ 

2. Solve the problem below.

Alachar Dethama and Finations

Algebra, Patterns and Functions



1. Find the pattern to fill in the missing number.

| IN  | 1 | 2 | 3 | 4 | 5 | 6 |
|-----|---|---|---|---|---|---|
| OUT | 0 | 1 | 2 | 3 | 4 |   |

2. Continue the pattern of numbers in the boxes below.

| 2 6 | 10 12 | 14 |  |
|-----|-------|----|--|
|-----|-------|----|--|



1. Look at the pattern of numbers. Write what comes next in the pattern.

2, 6, 10, \_\_\_\_\_, , \_\_\_\_

**2.** Look at the pattern. Draw the missing two shapes.



Algebra, Patterns and Functions



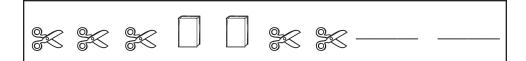
**1.** Look at the pattern below. Which shapes come next in the pattern? (*Circle the correct letter.*)

A. @



B.





2. Solve the problem.

$$9 + w = 15$$

 $W = _{----}$ 

# Warm-Up 35 Name Date Date

1. Use these shapes to make an AABCAABC pattern.







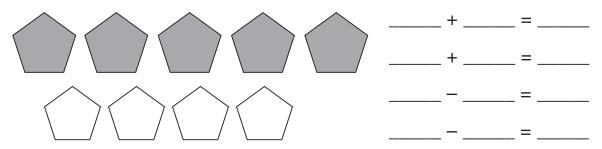
2. Write four number sentences using 5, 4, and 9.

\_\_\_\_\_

Algebra, Patterns and Functions



1. Write four number sentences about the shapes.



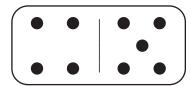
2. Draw an ABCABC pattern.



- **1.** What shape goes in the empty space? (*Circle the correct letter.*)
  - A.
  - В.
  - C.



- 2. Look at the domino. Write the fact family.



Algebra, Patterns and Functions

### Date \_\_\_\_\_ Name \_\_\_\_\_

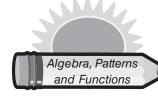
- 1. Fill in the missing number that makes the problem true.
  - **A.** 12 + \_\_\_\_ = 19 + 2
- **C.** + 6 = 9 + 4

**B.** 6 + 5 = 9 +

- **D.** 8 + 4 = + 9
- **2.** What is the next number in the pattern? (*Circle the correct letter.*)
  - **A.** 9
  - **B**. 8

- 9, 9, 8, 7, 9, 9, 8, \_\_\_\_\_

**C**. 7



#### Warm-Up 1

- 1. 57, 58, 62
- 2. 10, 12, 14

#### Warm-Up 2

- 1. The pattern is decreasing by 1.
- 2. 18, 14, 12

#### Warm-Up 3

- 1. 20, 24, 28
- 2. Second Row: 35, 55 Third Row: 70, 85, 90

#### Warm-Up 4

- 1. 17, 19, 21, 23
- 2. 9, 15, 21, 24

#### Warm-Up 5

- 1. 16, 18
- 2. B

#### Warm-Up 6

- 1. 18
- 2. 5, 9, 15

#### Warm-Up 7

- 1. 10
- 2. 5

#### Warm-Up 8

- 1. 5
- 2. 4, 8, 16

#### Warm-Up 9

1.



2. A-5, B-1, C-6, D-2, E-4, F-2, G-5, H-6, I-5

#### Warm-Up 10

- 1. 2 is being multiplied.
- 2. 4, 5, Rule: Subtract 1; 6, 7, Rule: Add 2.

#### Warm-Up 11

1.



2. A-2, B-3, C-2, D-3, E-5, F-6, G-4, H-1, I-2

#### Warm-Up 12

- 1. 5 is being subtracted from each "IN" number.
- 2. Add 2; Subtract 3.

#### Warm-Up 13

- 1 14, 18
- 2.



#### Warm-Up 14

- 1. B
- 2. 6

#### Warm-Up 15

- 1. \$8
- 2. C

#### Warm-Up 16

- 1. C
- 2. 33

#### Warm-Up 17

- 1. 6
- 2. 10

#### Warm-Up 18

- 1. 10
- 2. B

#### Warm-Up 19

- 1. 19
- 2. 15

#### Warm-Up 20

- 1. 8
- 2. 8

#### Warm-Up 21

| ····· <u>- [                              </u> |   |   |   |    |   |   |   |
|--|---|---|---|----|---|---|---|
| 1.   | 7 | 2 | 3 |    | 7 | 0 | 5 |
|  | 0 | 4 | 8 | or | 2 | 4 | 6 |
|  | 5 | 6 | 1 |    | 3 | 8 | 1 |



#### Warm-Up 22

- 1. 16
- 2. 6

#### Warm-Up 23

- 1. 5, 5
- 2. 5 is being subtracted from the "IN" numbers.

#### Warm-Up 24

- 1. 6, 1
- 2. True, False

#### Warm-Up 25

- 1. A
- 2. 4

#### Warm-Up 26

- 1. 6
- 2. 8

#### Warm-Up 27

- 1. Only even numbers are shaded.
- 2. D

#### Warm-Up 28

- 1. B
- 2. 2 is being subtracted.

#### Warm-Up 29

- 1. 14, 18, 22
- 2. 0

#### Warm-Up 30

- 1. Column 1: 10, 20, 30, 40 Column 2: 50, 60, 70, 80 The numbers are increasing by 10.
- 2. D

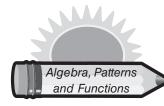
#### Warm-Up 31

- 1. C
- 2. A-8, B-6, C-11, D-7, E-10, F-11, G-3, H-1, I-8

#### Warm-Up 32

- 1. 1 is being added.
- 2. The numbers are increasing by 1; the numbers are decreasing by 2.

- 1. 3
- 2. 9



#### Warm-Up 34

- 1. 7
- 2. A

#### Warm-Up 35

- 1. Answers will vary.
- 2.5 + 4 = 9
  - 4 + 5 = 9
  - 9 4 = 5
  - 9 5 = 4

#### Warm-Up 36

- 1. 5 + 4 = 9
  - 4 + 5 = 9
  - 9 4 = 5
  - 9 5 = 4
- 2. Answers will vary.

#### Warm-Up 37

- 1. 25, 30, 35
- 2. Second Row: 14, 22 Third Row: 28, 36

#### Warm-Up 38

- 1. 21, 24, 27
- 2. 11, 23, 26

#### Warm-Up 39

- 1. A-5, B-6, C-10, D-7, E-5, F-2, G-0, H-3, I-9
- 2. 4

#### Warm-Up 40

- 1. 5 is being added
- 2. A-1, B-12, C-10, D-6, E-7, F-7, G-2, H-5, I-0

#### Warm-Up 41

- 1. 8
- 2. Two is subtracted from each "IN" number.

#### Warm-Up 42

- 1. 8
- 2. C

#### Warm-Up 43

- 1. Only odd numbers are being shaded.
- 2. 24

#### Warm-Up 44

- 1. 4+3=7, 3+4=7, 7-3=4, 7-4=3
- 2. AABC

#### Warm-Up 45

- 1. A-1, B-11, C-5
- 2. \$10

#### Warm-Up 46

- 1. B
- 2. B

#### Warm-Up 47

- 1. C
- 2. 12

#### Warm-Up 48

- 1. Three is being subtracted from the "IN" numbers.
- 2. 11, 17

#### Warm-Up 49

- 1. C
- 2. A

#### Warm-Up 50

- 1. 52, 50; Subtract 2 from each number to find missing numbers.
- 2. 5 + 7 = 12, 7 + 5 = 12, 12 5 = 7, 12 7 = 5

#### Warm-Up 51

- 1. 10
- 2. C

#### Warm-Up 52

- 1. C
- 2. 15

#### Warm-Up 53

- 1. The pattern is counting by 5s.
- 2. B

#### Warm-Up 54

- 1. 1
- 2. Four is being added to the "IN" numbers.

#### Warm-Up 55

1. C

#### 2. 15

#### Warm-Up 56

- 1. 9; Answers will vary.
- 2. B

#### Warm-Up 57

- 1. C
- 2. The number 3 is being added.

#### Warm-Up 58

- 1. 20
- 2. Add 3; Add 1.

#### Warm-Up 59

- 1. C
- 2. 4 + 5 = 9, 5 + 4 = 9, 9 4 = 5, 9 5 = 4

#### Warm-Up 60

- 1. A-9, B-2, C-7, D-3
- 2. C

#### Warm-Up 61

- 1. 3
- 2. 9

- 1. 7
- 2. C