

# **MIDDLE-GRADE MATH MINUTES**

One Hundred Minutes to Better Basic Skills

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# INTRODUCTION

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The focus of *Middle-Grade Math Minutes* is math fluency—teaching students to solve problems effortlessly and rapidly. The problems in this book provide students with practice in every key area of middle-grade math instruction, including

- basic multiplication and division facts
- money
- graphing
- problem solving
- measurement
- fractions
- place value
- time
- pre-algebra
- the vocabulary of mathematics
- geometry

Use this comprehensive resource to improve your students' overall math fluency, which will promote greater self-confidence in their math skills as well as provide the everyday practice necessary to succeed in a testing situation.

*Middle-Grade Math Minutes* features 100 “Minutes.” Each Minute consists of ten classroom-tested problems for students to complete in one minute. Each Minute includes questions of varying degrees of difficulty, integrating problem solving and basic math skills. This unique format offers students an ongoing opportunity to improve their own fluency in a manageable, nonthreatening format. The quick, one-minute format combined with instant feedback makes this a challenging and motivational assignment students will look forward to each day. Students become active learners as they discover mathematical relationships and apply acquired understanding to complex situations and to the solution of realistic problems in each Minute.



# HOW TO USE THIS BOOK

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*Middle-Grade Math Minutes* is designed to be implemented in numerical order. Students who need the most support will find the order of skills as introduced most helpful in building and retaining confidence and success. For example, the first time that students are asked to provide the value of pi to the hundredths place, the digits in the ones and tenths places are provided. The second time, the digit in the ones place is provided. It is not until the third time that students are asked the value of pi that they must recall the number without additional support.

*Middle-Grade Math Minutes* can be used in a variety of ways. Use one Minute a day for warm-up activities, bell-work, review, assessment, or a homework assignment. Keep in mind that students will get the most benefit from their daily Minute if they receive immediate feedback. If you assign the Minute as homework, correct it in class as soon as students are settled at the beginning of the day.

If you use the Minutes as a timed activity, place the paper facedown on the students' desks or display it as a transparency. Use a clock or kitchen timer to measure one minute. Encourage students to concentrate on completing each problem successfully and not to dwell on problems they cannot complete. At the end of the minute, have students stop working. Then, read the answers from the answer key (pages 108–112) or display them on a transparency. Have students correct their own work and record their score on the Minute Journal reproducible (page 6). Then, have the class go over each problem together to discuss the solution(s). Spend more time on problems that were clearly challenging for most of the class. Tell students that difficult problems will appear on future Minutes and they will have another opportunity for success.





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Teach students strategies for improving their scores, especially if you time their work on each Minute. Include strategies such as

- leave more time-consuming problems for last
- come back to problems they are unsure of after they have completed all other problems
- make educated guesses when they encounter problems they are unfamiliar with
- rewrite word problems as number problems
- use mental math wherever possible

Students will learn to apply these strategies to other timed-test situations.

The Minutes are designed to improve math fluency and should not be included as part of a student's overall math grade. However, the Minutes provide an excellent opportunity for you to see which skills the class as a whole needs to practice or review. This knowledge will help you plan the content of future math lessons. A class that consistently has difficulty with reading graphs, for example, may make excellent use of your lesson in that area, especially if they know they will have another opportunity to achieve success in this area on a future Minute. Have students file their Math Journal and Minutes for that week in a location accessible to you both. You will find that math skills that require review will be revealed during class discussions of each problem. However, you may find it useful to review the Minutes on a weekly basis before sending them home with students at the end of the week.

While you will not include student Minute scores in your formal grading, you may wish to recognize improvements by awarding additional privileges or offering a reward if the entire class scores above a certain level for a week or more. Showing students that you recognize their efforts provides additional motivation to succeed.



# MINUTE JOURNAL



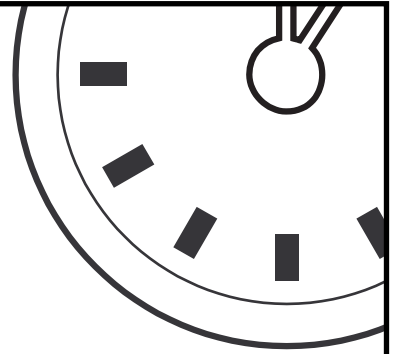
NAME \_\_\_\_\_

MINUTE	DATE	SCORE	MINUTE	DATE	SCORE	MINUTE	DATE	SCORE	MINUTE	DATE	SCORE
1			26			51			76		
2			27			52			77		
3			28			53			78		
4			29			54			79		
5			30			55			80		
6			31			56			81		
7			32			57			82		
8			33			58			83		
9			34			59			84		
10			35			60			85		
11			36			61			86		
12			37			62			87		
13			38			63			88		
14			39			64			89		
15			40			65			90		
16			41			66			91		
17			42			67			92		
18			43			68			93		
19			44			69			94		
20			45			70			95		
21			46			71			96		
22			47			72			97		
23			48			73			98		
24			49			74			99		
25			50			75			100		

# SCOPE AND SEQUENCE



<i><b>SKILL</b></i>	<i><b>SKILL FIRST APPEARS</b></i>
Measurement .....	1
Number Comparison .....	1
Number Sense .....	1
One-step Algebra .....	1
Patterns .....	1
Problem Solving/Real-life Problems .....	1
Whole Numbers (add, subtract, multiply, and divide) .....	1
Order of Operations .....	2
Vocabulary/Communication .....	2
Algebraic Substitution .....	4
Exponents .....	6
Fractions (numerator, denominator, multiply) .....	7
Decimals (add, subtract, compare) .....	17
Ordering Decimals .....	18
Estimating Whole Numbers and Decimals .....	20
Rounding Decimals .....	20
Rounding Whole Numbers .....	20
Multiplying by 10 and Powers of 10 .....	24
Scientific Notation .....	24
Absolute Value .....	26
Central Tendency (mean, median, mode, range) .....	27
Bar Notation .....	29
Probability .....	31
Square Roots .....	34
Geometric Shapes .....	35
Rules of Divisibility .....	36
Parallel/Perpendicular .....	38
Primes/Composites .....	43
Factors .....	44
Percents .....	47
Multiples .....	51
Ratios .....	53
Area (squares, rectangles, triangles) .....	66
Arithmetic/Geometric Sequences .....	66
Fractions (add, subtract, mixed, reciprocals) .....	66
Perimeter .....	66
Circles (diameter, radius) .....	67
Integers .....	68
Geometry (degrees, symmetry, coordinate graphs, angles) .....	75
Volume of Boxes .....	82



# MINUTE 1

NAME \_\_\_\_\_

1.  $6 \times 3 =$

2. How many ears do eight dogs have in all? \_\_\_\_\_

3. If  $n + 2 = 7$ , then  $n =$

4. There were eight bugs on the ground. Now there are six.  
How many flew away? \_\_\_\_\_

5.  $2 \times 3 \times 2 =$

6.  $4 \times 6 + \underline{\quad} = 31$

7. 3, 6, 9, 12, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

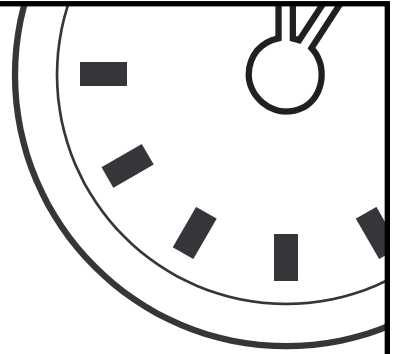
8. Seven bicycles have \_\_\_\_\_ wheels in all.

Use  $<$ ,  $>$ , or  $=$  to complete questions 9 and 10.

9. 3 weeks \_\_\_\_\_ 20 days

10. 1 cm \_\_\_\_\_ 1 in.

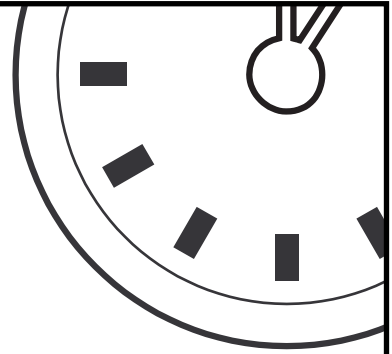




# MINUTE 2

NAME \_\_\_\_\_

1.  $3 \cdot 5 =$
2. Four dollars equal \_\_\_\_\_ pennies.
3.  $2 + 5 \cdot 2 =$
4.  $5 + 8 - 3 =$
5.  $\frac{6}{2} =$
6. 0, 4, 8, 12, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
7.  $0 \times 5,132 =$
8.  $\frac{21}{2}$
9. The product of four and three is \_\_\_\_\_.
10. The sum of five and four is \_\_\_\_\_.

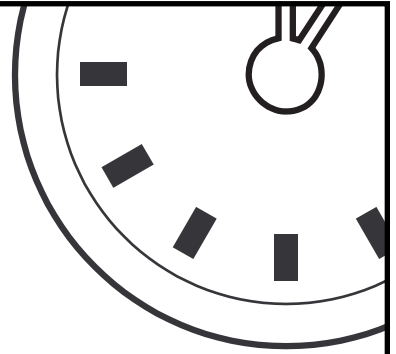


# MINUTE 3

NAME \_\_\_\_\_

1. The product of 4 and 6 is \_\_\_\_\_.
2.  $2,463 \times 0 =$
3. 1, 10, 2, 9, 3, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
4.  $\frac{8}{4} =$
5.  $4 \overline{)48}$
6.  $8 + 6 \div 3 =$
7.  $3 + 4 \cdot 3 =$
8. How much does each apple cost? \_\_\_\_\_
9.  $5 + (3 - 1) =$
10. The difference between 9 and 5 is \_\_\_\_\_.





# MINUTE 4

NAME \_\_\_\_\_

1. 1, 5, 9, 13, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

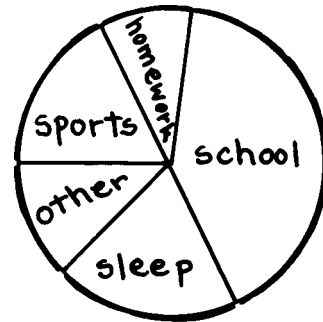
2.  $10 - 4 \cdot 2 =$

3.  $\frac{18}{3} =$

4.  $84 \div 1 =$

5. Does Ellen spend more time on homework or sports? \_\_\_\_\_

6.  $4 \cdot 3 + 5 \cdot 1 =$



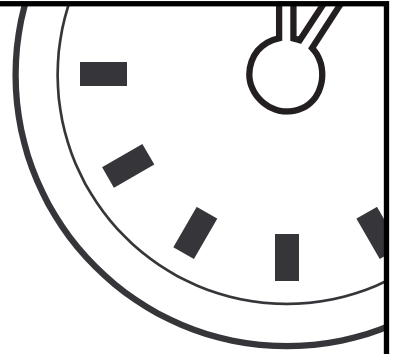
For questions 7–10, use  $a = 2$ ,  $b = 3$ , and  $c = 6$ .

7.  $a + b =$

8.  $ac =$

9.  $\frac{c}{a} =$

10.  $2b =$



# MINUTE 5

NAME \_\_\_\_\_

For questions 1–5, use  $a = 8$ ,  $b = 2$ , and  $c = \frac{1}{2}$ .

1.  $a + b =$

2.  $b + c =$

3.  $ab =$

4.  $ca =$

5.  $4a =$

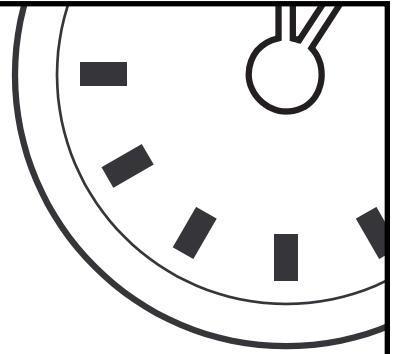
6.  $\frac{14}{2} =$

7. 1, 2, 4, 8, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

8. The sum of 8 and 7 is \_\_\_\_\_.

9. The difference between 9 and 3 is \_\_\_\_\_.

10.  $10 - 3 \cdot 3 =$



# MINUTE 6

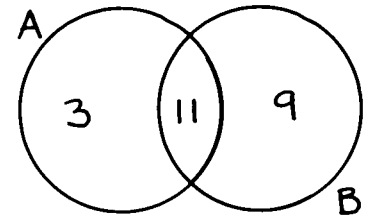
NAME \_\_\_\_\_

1.  $4 \cdot 4 =$

2.  $5^2 =$

3.  $2 \cdot 2 \cdot 2 =$

4. Which number is in both A and B? \_\_\_\_\_



5.  $10 - 5 \cdot 2 =$

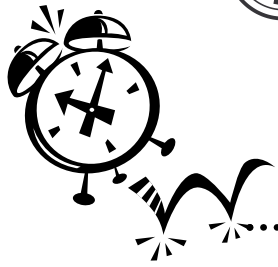
6.  $6^2 =$

7.  $1 \cdot 1 \cdot 1 \cdot 1 =$

8.  $\frac{10}{5} =$

9. Circle the answer that is equal to  $5 \cdot 5 \cdot 5$ :  
a.  $5 \times 3$       b.  $3 \times 5$       c.  $5^3$       d.  $3^5$

10.  $3 + 5 =$



# MINUTE 7

NAME \_\_\_\_\_

1.  $8^2 =$

2.  $4^2 - 6 =$

3. A trio and a quartet got together and played a song. How many musicians were there? \_\_\_\_\_

4.  $2 + 3 \cdot 3 + 2 =$

5.  $2 \overline{)36}$

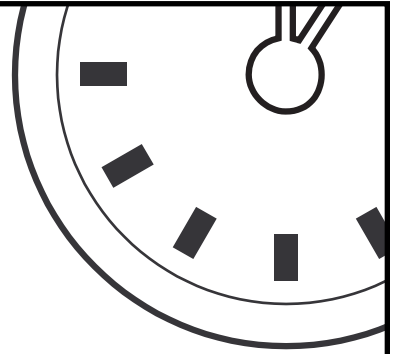
6.  $10^2 =$

7.  $\frac{1}{2} \cdot 10 =$

8.  $3 \cdot 2 \cdot 1 =$

9. Circle the answer that is equal to  $4^3$ :  
a.  $4 \cdot 4 \cdot 4$       b.  $4 \cdot 3$       c.  $4 + 3$       d.  $3 \cdot 3 \cdot 3 \cdot 3$

10.  $\frac{4}{2} =$



# MINUTE 8

NAME \_\_\_\_\_

1.  $3^2 =$

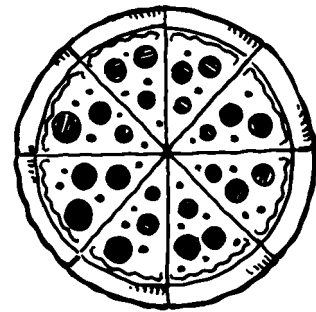
2.  $\frac{18}{3} =$

3. Circle the answer that is equal to  $5^3$ :  
a.  $5 \times 3$     b.  $3 \cdot 3 \cdot 3 \cdot 3 \cdot 3$     c.  $3 \times 5$     d.  $5 \cdot 5 \cdot 5$

4. If  $8 + y = 15$ , then  $y =$

5.  $15 + 3 \cdot 2 =$

6. Scott ate half of the pizza.  
How many pieces did he eat? \_\_\_\_\_



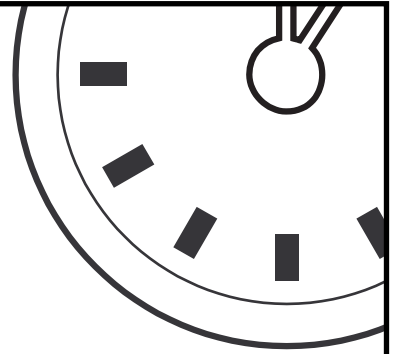
7. 
$$\begin{array}{r} 35 \\ \times 35 \\ \hline \end{array}$$

8.  $\frac{1}{2} \times 12 =$

For questions 9 and 10, use  $a = 5$  and  $b = 2$ .

9.  $ab =$

10.  $ba =$



# MINUTE 9

NAME \_\_\_\_\_

1.  $7^2 =$

2. If  $4r = 24$ , then  $r =$

3.  $\frac{15}{3} =$

4.  $5(4 + 2) =$

5.  $6 + 4 \cdot 2 =$

6. If  $s - 8 = 9$ , then  $s =$

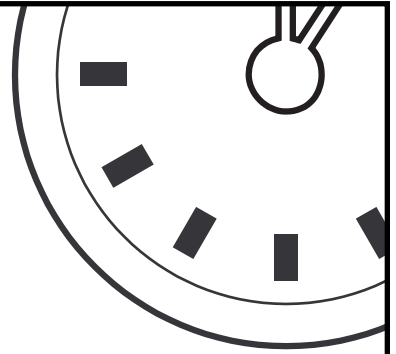
7. 
$$\begin{array}{r} 45 \\ \times 45 \\ \hline \end{array}$$

8.  $2^3 =$

9. If there are fifty dimes in a roll of coins, then it is equal to \_\_\_\_\_ dollars.

10. The product of eight and nine is \_\_\_\_\_.





# MINUTE 10

NAME \_\_\_\_\_

1.  $\frac{1}{2}(20) =$

2.  $\frac{20}{4} =$

3.  $(4 + 4)^2 =$

4. The quotient of  $3\overline{)27}$  is \_\_\_\_\_.

5. One half of fifty is \_\_\_\_\_.

6. 128, 64, 32, 16, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

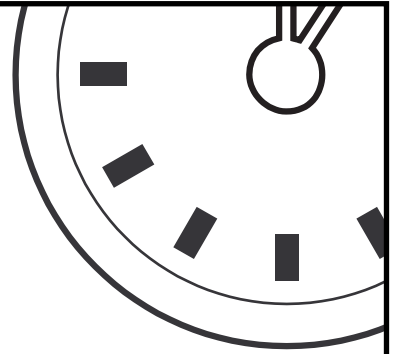
7.  $256 \cdot 0 =$

For questions 8–10, use  $a = 5$ ,  $b = 4$ , and  $c = 2$ .

8.  $ac =$

9.  $2a =$

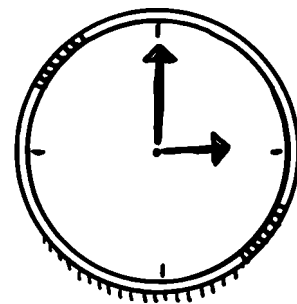
10.  $\frac{b}{c} =$

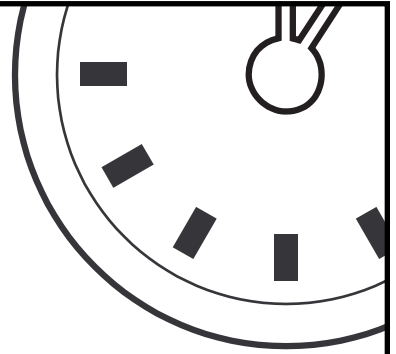


# MINUTE 11

NAME \_\_\_\_\_

1. If  $a + 15 = 19$ , then  $a =$
2. If  $b = 2$ , then  $b^3 =$
3.  $8(4 + 3) =$
4.  $10 + 4 \times 2 =$
5. Five cars have how many wheels altogether? \_\_\_\_\_
6. If  $3n = 18$ , then  $n =$
7.  $50 \times 50 =$
8. Eight squared is \_\_\_\_\_.
9. If  $y - 4 = 11$ , then  $y =$
10. What time is shown on the clock? \_\_\_\_\_

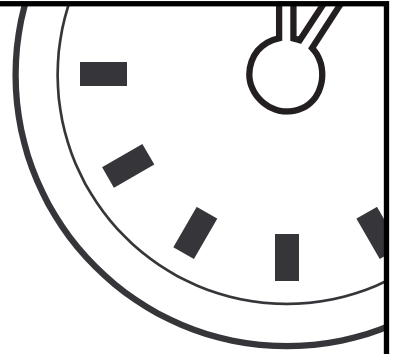




# MINUTE 12

NAME \_\_\_\_\_

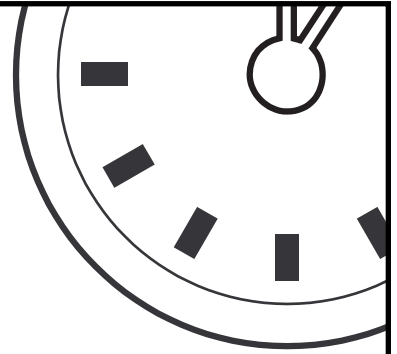
1. The sum of four and twelve is \_\_\_\_\_.
2. Six ducks have how many feet in all? \_\_\_\_\_
3.  $(8 - 3)^2 =$
4.  $\frac{1}{2} \times 16 =$
5. Three squared is \_\_\_\_\_.
6.  $8 \cdot 1 + 4 \cdot 2 =$
7.  $8 - 3 \cdot 2 =$
8. Five dollars equal how many pennies? \_\_\_\_\_
9. If  $a = 5$ , then  $a^2 =$
10. Four weeks is \_\_\_\_\_ days.



# MINUTE 13

NAME \_\_\_\_\_

1.  $3(4 + 2 + 1) =$
2. If 6 pennies are in each pile, how many pennies are in nine piles? \_\_\_\_\_
3.  $9 - \underline{\hspace{2cm}} = 3$
4.  $7 \times 4 =$
5.  $12 - 3 \cdot 4 =$
6.  $8(10) =$
7. If  $65 + a = 71$ , then  $a =$
8. Twenty-four divided by eight is \_\_\_\_\_.
9. If  $a = 9$ , then  $5a =$
10. Twelve quarters equal \_\_\_\_\_ dollars.



# MINUTE 14

NAME \_\_\_\_\_

1.  $15 - 3 \cdot 2 =$

2.  $25 \div 5 =$

3.  $3^3 =$

4. A centipede has \_\_\_\_\_ legs.

5.  $(5 + 4)^2 =$

6. \_\_\_\_\_  $- 4 = 4$

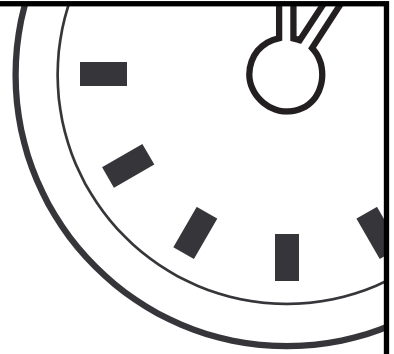
7. Forty nickels equal \_\_\_\_\_ dollars.

Use  $<$ ,  $>$ , or  $=$  to complete questions 8–10.

8.  $3^2$  \_\_\_\_\_ 24

9. 1 meter \_\_\_\_\_ 100 millimeters

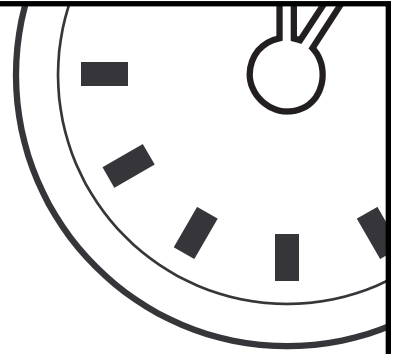
10.  $9(8)$  \_\_\_\_\_  $8(5 + 4)$



# MINUTE 15

NAME \_\_\_\_\_

1.  $4 \times 4 =$
2. Five boxes of pencils with ten pencils per box equal \_\_\_\_\_ pencils.
3. If  $18 \div 3 = n$ , then  $n =$
4.  $70 \times 70 =$
5. The product of 6 and 3 is \_\_\_\_\_.
6.  $2^2 + \underline{\hspace{2cm}} = 9$
7. 1, 4, 9, 16, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
8.  $\frac{15}{3} =$
9. Five tricycles have \_\_\_\_\_ wheels.
10. Five squared plus ten is equal to \_\_\_\_\_.



# MINUTE 16

NAME \_\_\_\_\_

1.  $8 \times 4 =$

2. 
$$\begin{array}{r} 65 \\ \times 65 \\ \hline \end{array}$$

3.  $10(12) =$

4. Three centuries equal \_\_\_\_\_ years.

5. Five squared is equal to \_\_\_\_\_.

6.  $7 + (4 \cdot 2) =$

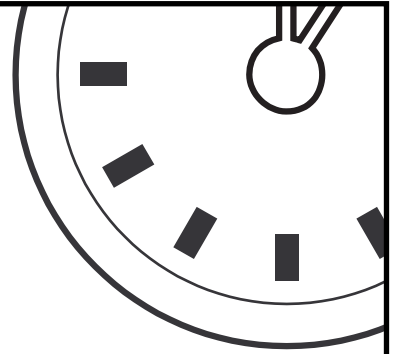
7. 
$$\begin{array}{r} 3 \overline{)45} \\ \hline \end{array}$$

For questions 8–10, use  $a = 4$ ,  $b = 9$ , and  $c = 3$ .

8.  $ac =$

9.  $\frac{b}{c} =$

10.  $5b =$



# MINUTE 17

NAME \_\_\_\_\_

1.  $7^2 =$

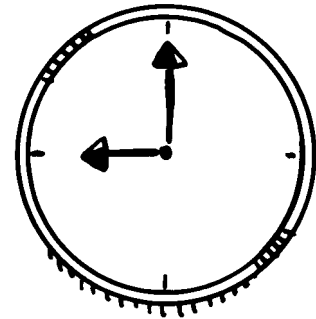
2.  $10 - 5 + 3 =$

3.  $0.6 + 0.3 =$

4. Six weeks is equal to \_\_\_\_\_ days.

5.  $18 - 6 \cdot 2 =$

6. What time is shown on the clock? \_\_\_\_\_



7.  $12 \div 2 \div 2 =$

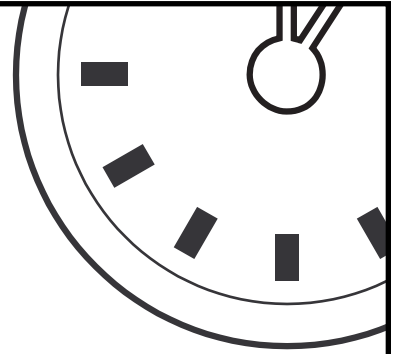
Use  $<$ ,  $>$ , or  $=$  to complete questions 8–10.

8.  $0.55$  \_\_\_\_\_  $0.65$

9.  $0.083$  \_\_\_\_\_  $0.81$

10.  $0.6$  \_\_\_\_\_  $0.60$





# MINUTE 18

NAME \_\_\_\_\_

1.  $3(4 + 1 + 2) =$

2. Order these numbers from least to greatest:  
5.2, 0.052, 0.52 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

3.  $2^3 =$

4.  $\frac{20}{4} =$

5. Circle the greater number: 0.0853 or 0.09

6. Circle the answer that is equivalent to  $4^3$ :  
a. 12      b.  $4 \cdot 4 \cdot 4$       c.  $3 \cdot 3 \cdot 3 \cdot 3$       d. 43

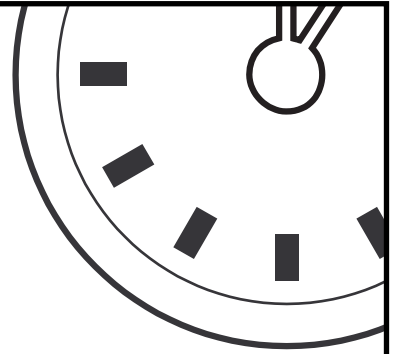
7. The product of 8 and 11 is \_\_\_\_\_.

Use  $<$ ,  $>$ , or  $=$  to complete questions 8–10.

8. 4.03 \_\_\_\_\_ 4.01

9. 0.0034 \_\_\_\_\_ 0.03

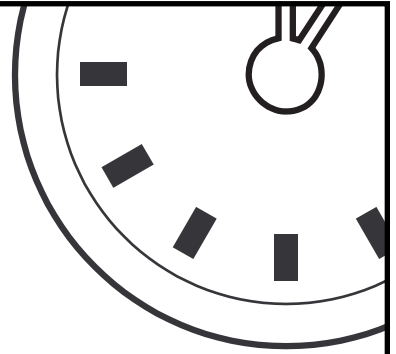
10. 10.6 \_\_\_\_\_ 10.600



# MINUTE 19

NAME \_\_\_\_\_

1.  $0.8 - 0.5 =$
2. Circle the greatest number: 0.55 0.50 0.505
3. Circle the number with the least value: 0.092 0.029 0.043
4. If  $a = 9$ , then  $a^2 =$
5. If  $3x = 27$ , then  $x =$
6. Three feet equal \_\_\_\_\_ inches.
7.  $3 + 9 \cdot 2 =$
8. Order these numbers from least to greatest:  
0.08, 8.0, 0.8 \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
9. A field goal is worth three points. The Bears have kicked four field goals. How many points is this altogether? \_\_\_\_\_
10.  $3 \times 2 \times 4 =$



# MINUTE 20

NAME \_\_\_\_\_

1. If  $a + 8 = 16$ , then  $a =$

2. Circle the greatest number: 8.20 8.02 8.022

3.  $0.3 + 0.2 + 0.1 =$

For questions 4–7, round to the underlined place value.

4. 26.26 \_\_\_\_\_

5. 2.81 \_\_\_\_\_

6. 0.018 \_\_\_\_\_

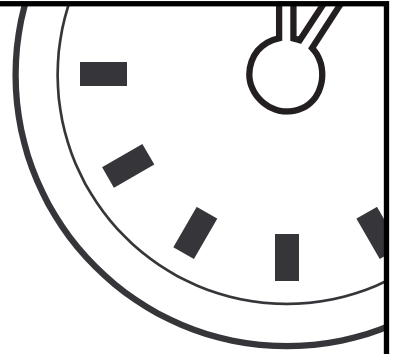
7. 15.45 \_\_\_\_\_

For questions 8–10, use  $a = 2$ ,  $b = 3$ , and  $c = 8$ .

8.  $ac =$

9. The sum of  $a$  and  $b$  is \_\_\_\_\_.

10.  $\frac{c}{a} =$



# MINUTE 21

NAME \_\_\_\_\_

1.  $0.8 + 0.6 =$

2. If  $\frac{x}{3} = 6$ , then  $x =$

3. Circle the number with the least value: 0.051 3.82 0.05

4. Ten weeks equal \_\_\_\_\_ days.

5.  $10 - 6 + 2 =$

6.  $3^2 + 2 =$

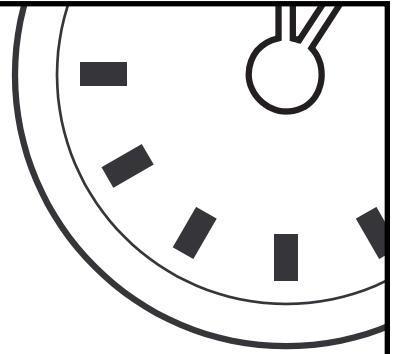
7. Eight dogs have \_\_\_\_\_ legs in all.

For questions 8–10, round to the underlined place value.

8.  $0.\underline{7}87$  \_\_\_\_\_

9.  $0.\underline{5}06$  \_\_\_\_\_

10.  $\underline{2}.8$  \_\_\_\_\_



# MINUTE 22

NAME \_\_\_\_\_

1. 
$$\begin{array}{r} 55 \\ \times 55 \\ \hline \end{array}$$

2.  $8 - 3 + 4 =$

3. Sixteen quarters equal \_\_\_\_\_ dollars.

4.  $6(8) =$

5.  $\frac{28}{4} =$

6. If  $g - 4 = 18$ , then  $g =$

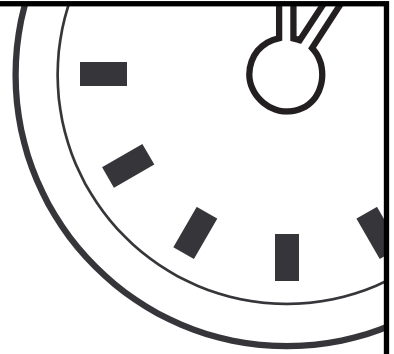
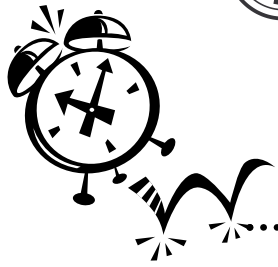
7. If  $a = 3$ , then  $2^a =$

For questions 8–10, estimate the answer by rounding to the ones place and then applying the correct operation. Number 8 is done for you.

8.  $12.2 + 4.9 = 12 + 5 = 17$

9.  $18.9 - 3.6 =$

10.  $6.9 \times 8.2 =$



# MINUTE 23

NAME \_\_\_\_\_

1.  $4^2 =$

2. The product of 6 and 3 is \_\_\_\_\_.

3. Circle the answer that is equal to  $3 \cdot 3 \cdot 3 \cdot 3$ :  
a.  $4^3$       b.  $3^4$       c.  $3^3$       d. 12

4.  $5(3+5) =$

Use  $<$ ,  $>$ , or  $=$  to complete questions 5–7.

5.  $4.1$  \_\_\_\_\_  $6$

6.  $2.08$  \_\_\_\_\_  $2.080$

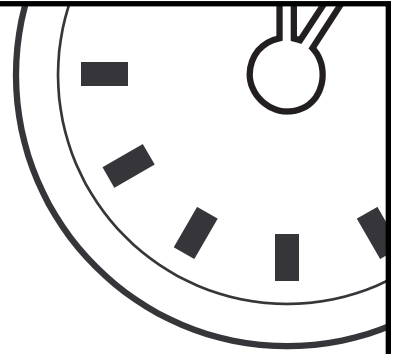
7.  $5.03$  \_\_\_\_\_  $5.4$

For questions 8–10, round to the underlined place value.

8.  $8,\underline{8}42$  \_\_\_\_\_

9.  $481.\underline{5}6$  \_\_\_\_\_

10.  $0.00\underline{8}3$  \_\_\_\_\_



# MINUTE 24

NAME \_\_\_\_\_

1. Ten cats have \_\_\_\_\_ legs in all.

2.  $(8 - 3 \times 2)^2 =$

3.  $0.84 \times 10 =$

4.  $8.23 \times 10^2 =$

5.  $25 \times 0.1 =$

6. If  $a = 5$  and  $b = 4$ , then  $ab =$

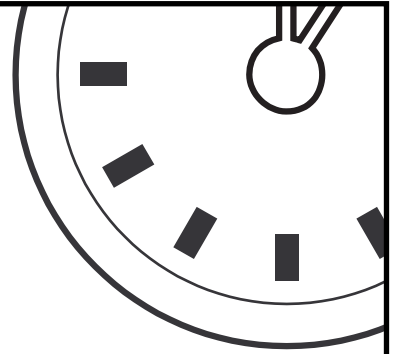
7. If  $a = 2$  and  $b = 3$ , then  $aba =$

Use  $<$ ,  $>$ , or  $=$  to complete questions 8–10.

8.  $4.03$  \_\_\_\_\_  $4.01$

9.  $5.62$  \_\_\_\_\_  $8$

10.  $6$  \_\_\_\_\_  $-5$



# MINUTE 25

NAME \_\_\_\_\_

1.  $2(5)(3) =$

2.  $0.04 \times 10^2 =$

3. Circle the greatest number: 4.8 4.08 4.008

4. Circle the number with the least value: 2.2 0.02 0.2

5.  $4.68 \times 0.1 =$

Use  $<$ ,  $>$ , or  $=$  to complete questions 6 and 7.

6.  $3^2$  \_\_\_\_\_  $4^2$

7.  $3^2$  \_\_\_\_\_  $2^3$

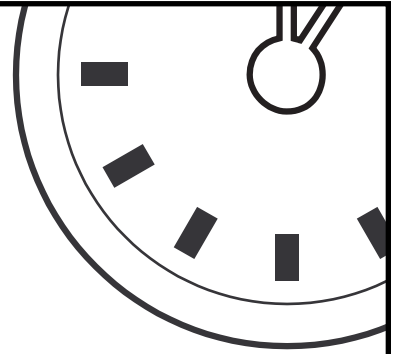
For questions 8–10, round to the underlined place value.

8. 4.081 \_\_\_\_\_

9. 20.65 \_\_\_\_\_

10. 4,348 \_\_\_\_\_





# MINUTE 26

NAME \_\_\_\_\_

1. 
$$\begin{array}{r} 75 \\ \times 75 \\ \hline \end{array}$$

2.  $|-11| =$

3.  $3.26 \times 10 =$

4.  $4.28 \times 0.1 =$

5. If  $a = 2$  and  $b = 7$ , then  $b^a =$

6.  $8 - 2 + 4 =$

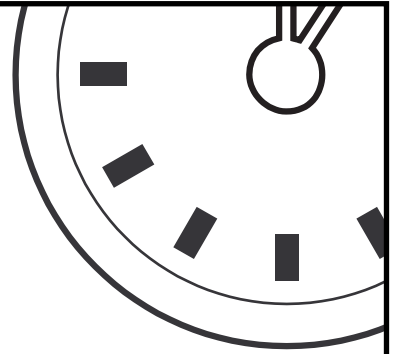
7.  $10^3 =$

Use  $<$ ,  $>$ , or  $=$  to complete questions 8–10.

8.  $14.2$  \_\_\_\_\_  $14.01$

9.  $0.043$  \_\_\_\_\_  $0.5$

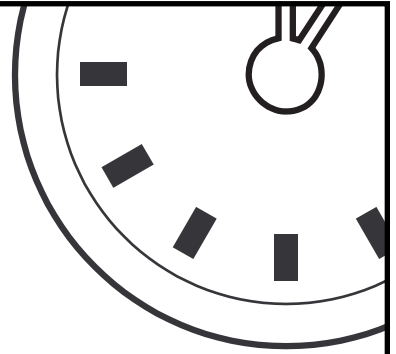
10.  $4^2$  \_\_\_\_\_  $2^4$



# MINUTE 27

NAME \_\_\_\_\_

1.  $2(4)(3) =$
2. 1, 3, 6, 10, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
3. Identify the range of the following numbers: 8, 2, 10, 4, 4, 6. \_\_\_\_\_
4.  $\frac{3 + 2 + 1}{3} =$
5. What is seven and twenty-six one hundredths rounded to the nearest whole number? \_\_\_\_\_
6. Eight birds have \_\_\_\_\_ wings in all.
7. Write 0.98989898... using bar notation. \_\_\_\_\_
8.  $5 + 1.2 =$
9.  $0.403 \times 1,000 =$
10. Three thousand people plus two thousand people equal \_\_\_\_\_ people.



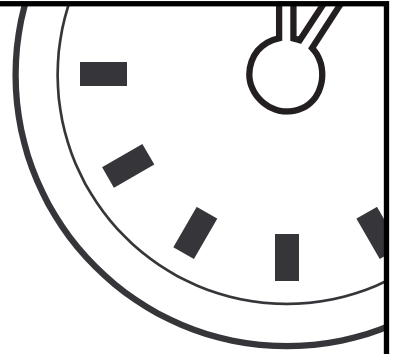
# MINUTE 28

NAME \_\_\_\_\_

1. Circle the greatest number: 0.002 0.0021 0.019
2. Identify the range of the following numbers: 4, 3, 3, 15, 28. \_\_\_\_\_
3.  $\frac{5 - 2 + 5}{2} =$
4. Two and a half hours later than 3:30 is \_\_\_\_\_.
5. What is the mean of 2, 7, and 9? \_\_\_\_\_
6. If  $a = 4$ , then  $a^2 =$
7. What is the quotient of 35 divided by 5? \_\_\_\_\_

Use  $<$ ,  $>$ , or  $=$  to complete questions 8–10.

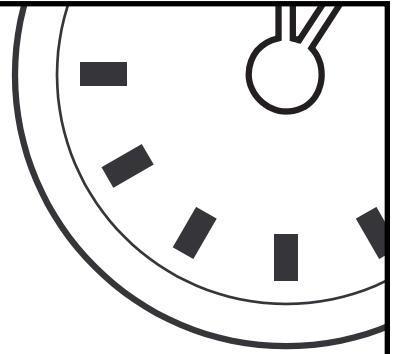
8.  $3.2 \times 10^2$  \_\_\_\_\_  $0.32 \times 10^3$
9. 0.04 \_\_\_\_\_ 0.301
10. 3 dozen donuts \_\_\_\_\_ 30 donuts



# MINUTE 29

NAME \_\_\_\_\_

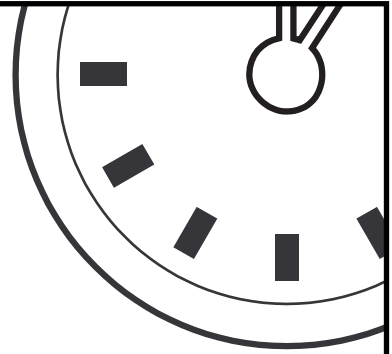
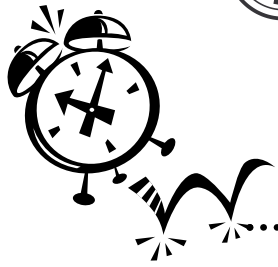
1. Identify the range of the following numbers:  
100, 212, 215, 308, 303, 600. \_\_\_\_\_
2. Write 0.43333... using bar notation. \_\_\_\_\_
3. 0.5, 1, 1.5, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
4. What is the mean of two and twelve? \_\_\_\_\_
5. Identify the mode of the following numbers:  
1, 1, 1, 2, 2, 3, 3, 3, 3, 3, 4, 7. \_\_\_\_\_
6.  $95 - 5 =$  \_\_\_\_\_
7. The product of four and eight is \_\_\_\_\_.
8.  $3^2 = 2^3$       Circle: True or False
9. Is two dozen evenly divisible by three?      Circle: Yes or No
10. Two hours later than 11:30 is \_\_\_\_\_.



# MINUTE 30

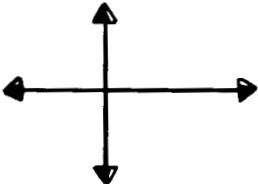
NAME \_\_\_\_\_

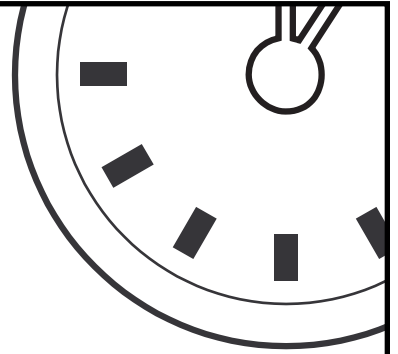
1.  $|-50| =$
2. Identify the mode of the following numbers:  
2, 5, 6, 6, 11, 19, 20. \_\_\_\_\_
3. What is the range of the numbers in problem 2? \_\_\_\_\_
4.  $\frac{5 + 4 + 1}{3 + 1 + 1} =$
5. One day less than three weeks is \_\_\_\_\_ days.
6. Round 18.94 to the nearest whole number. \_\_\_\_\_
7. Circle the number with the least value: 0.002 0.0019 0.0004
8.  $2 \times 0.4 =$
9. Two snakes plus seven snakes equal \_\_\_\_\_ snakes.
10. Write twenty-three thousandths in decimal form. \_\_\_\_\_



# MINUTE 31

NAME \_\_\_\_\_

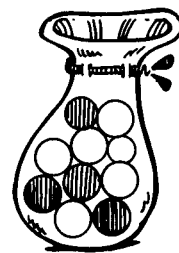
1. Two centuries and 6 decades equal \_\_\_\_\_ years.
2. Write as a fraction the probability of rolling a 3 on a six-sided die. \_\_\_\_\_
3. Three hours later than 2:30 is \_\_\_\_\_.
4. Circle the answer that shows how much a seventh-grade student might weigh:  
a. 500 kilograms    b. 50 kilograms    c. 5 kilograms    d. 100 grams
5. Circle the greater number: 54 inches or 5 feet
6. If  $5x + 1 = 21$ , then  $x =$  \_\_\_\_\_
7.  $\frac{1}{2} \cdot 18 =$  \_\_\_\_\_
8.  $0.054 > 0.1$                   Circle: True or False
9. Are these lines parallel or perpendicular? \_\_\_\_\_  

10. If you have read half of an 80-page book, how many pages have you read? \_\_\_\_\_

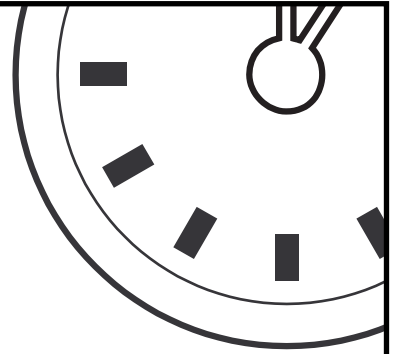


# MINUTE 32

NAME \_\_\_\_\_

1.  $42.6 \times 100 =$
2. If  $8 + \text{O} = 12$ , then  $\text{O} =$
3.  $47 \times 100 =$
4. Is 21.49 closer to 21 or 22? \_\_\_\_\_
5. In 5 years, Lindsey will be a teenager. How old is she now? \_\_\_\_\_
6. If  $\frac{?}{100} = 0.2$ , then  $? =$
7. Two quarters equal \_\_\_\_\_ nickels.
8. If 1 gallon has 4 quarts, how many quarts do 2 gallons have? \_\_\_\_\_
9. 1, 4, 9, 16, \_\_\_\_\_, 36, 49, 64
10. What is the probability of drawing a black marble from the bag? \_\_\_\_\_





# MINUTE 33

NAME \_\_\_\_\_

1.  $42.6 \div 100 =$

2. If  $10 - \emptyset = 4$ , then  $\emptyset =$

3.  $3 \times 6 = 18$  Which number is the product? \_\_\_\_\_

4. If  $? \times 1 = 5 \times 2$ , then  $? =$

5. \_\_\_\_\_ days equal 48 hours.

6. Which digit in the number 95,184 is in the thousands place? \_\_\_\_\_

7.  $2^3 - 3^1 =$

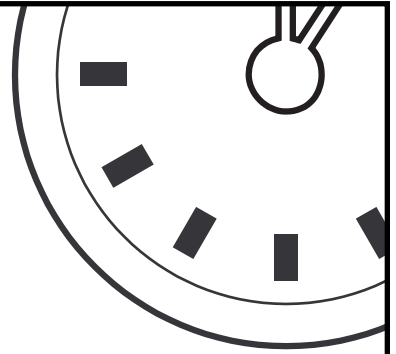
8. 
$$\begin{array}{r} 1259 \\ 4 \overline{)5036} \end{array}$$
 Which number is the divisor? \_\_\_\_\_

9. If 5 circles weigh 10 pounds,  
how much does each square weigh? \_\_\_\_\_



10. Name a prime number between 12 and 16. \_\_\_\_\_



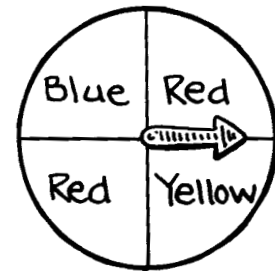


# MINUTE 34

NAME \_\_\_\_\_

1. Two days less than four weeks is \_\_\_\_\_ days.
2. Write twenty-six hundredths as a decimal. \_\_\_\_\_
3. Five triangles have \_\_\_\_\_ sides in all.

4. Circle the answer that shows the probability of the spinner stopping on red:  
a. 1 out of 4      b. 1 out of 3  
c. 2 out of 4      d. 2 out of 3



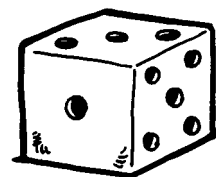
5.  $|-25| =$                       6.  $\sqrt{16} =$

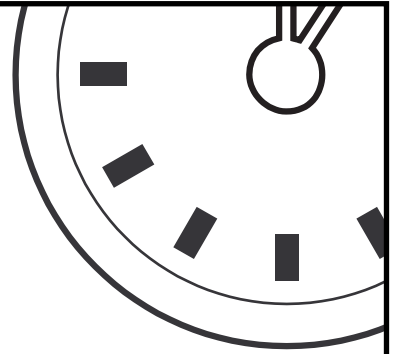
7. Circle the greatest number: 0.9   0.901   0.899

8. Five minutes less than an hour is \_\_\_\_\_ minutes.

9. Round 1,894 to the nearest hundred. \_\_\_\_\_

10. Circle the fraction that shows the chance of rolling an even number:  
a.  $\frac{1}{6}$       b.  $\frac{2}{3}$       c.  $\frac{3}{2}$       d.  $\frac{1}{2}$





# MINUTE 35

NAME \_\_\_\_\_

1. Circle the answer that shows how much a cow might weigh:  
a. 1,000 pounds      b. 1,000 grams      c. 1,000 tons

2.  $10^2 =$

3. Six dollars equal \_\_\_\_\_ pennies.

4. Name the shape. \_\_\_\_\_



5.  $\sqrt{49} =$

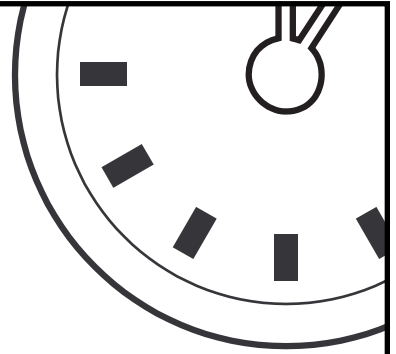
6. Four motorcycles have \_\_\_\_\_ wheels in all.

7.  $4.78 \times 10^2 =$

8.  $0.4 + 0.3 =$

9.  $0.4 \times 0.3 =$

10. The difference between 11 and 3 is \_\_\_\_\_.

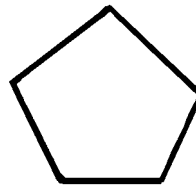


# MINUTE 36

NAME \_\_\_\_\_

1. Is 372 evenly divisible by 2? Circle: Yes or No

2. Name the shape. \_\_\_\_\_



3.  $3 + 3 \cdot 3 + 3 =$

4. 
$$\begin{array}{r} 23 \\ + 32 \\ \hline \end{array}$$

5.  $8^2 =$

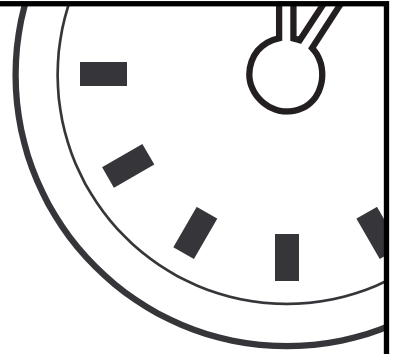
6.  $\sqrt{36} =$

7. Is 249 evenly divisible by 3? Circle: Yes or No

8. If  $a = 2$  and  $b = 5$ , then  $ab =$

9. A millipede has \_\_\_\_\_ legs.

10.  $0.004 \times 10^2 =$



# MINUTE 37

NAME \_\_\_\_\_

1. Is 432 evenly divisible by 4? Circle: Yes or No

2.  $\sqrt{100} =$

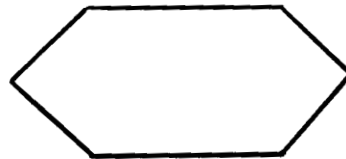
3. A century has \_\_\_\_\_ years.

4.  $0.4 + 0.6 =$

5.  $0.4 \times 0.6 =$

6. Circle the greater value: 0.5 or  $0.\bar{5}$

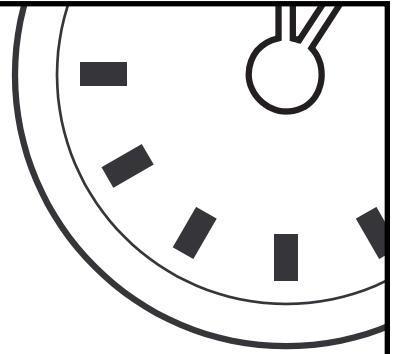
7. Name the shape. \_\_\_\_\_



8. Is 2,112 evenly divisible by 3? Circle: Yes or No

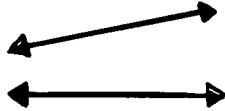

9. If  $a = 8$  and  $b = 2$ , then  $\frac{a}{b} =$

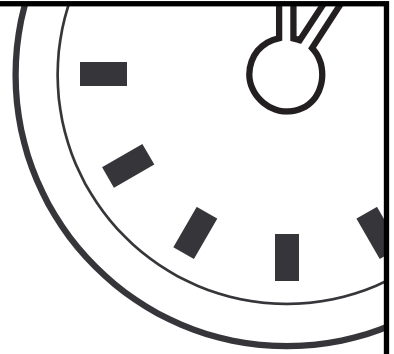
10. A pentagon has \_\_\_\_\_ sides.



# MINUTE 38

NAME \_\_\_\_\_

1. Is 435 evenly divisible by 5? Circle: Yes or No
2. Which is greater, 2 feet or 2 meters? \_\_\_\_\_
3. Twelve cars have \_\_\_\_\_ wheels in all.
4. Two feet are equal to \_\_\_\_\_ inches.
5.  $7(4 + 5) =$
6.  $968 \times 0.01 =$
7.  $(0.8)(0.4) =$
8. Are the two lines parallel?  Circle: Yes or No
9.  $0 \times 3,133 =$
10. Is this figure regular or not regular? \_\_\_\_\_ 



# MINUTE 39

NAME \_\_\_\_\_

1.  $0.0432 \times 10^3 =$

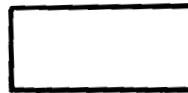
2.  $10^2 \times 4.1 =$

3. Write  $\frac{1}{2}$  as a decimal. \_\_\_\_\_

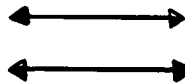
4. If  $6,734 = 6.734 \times 10^a$ , then  $a =$

5. If eleven marbles are in each bag, how many marbles are in 5 bags? \_\_\_\_\_

6. Name the shape. \_\_\_\_\_



7. Are these lines parallel?



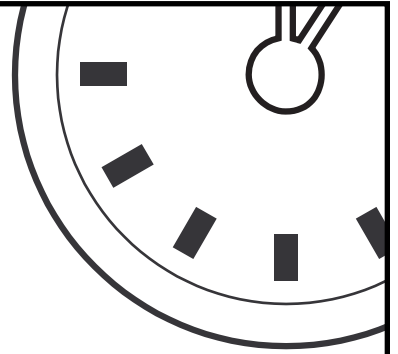
Circle: Yes or No

Use  $<$ ,  $>$ , or  $=$  to complete questions 8–10.

8.  $1.78$  \_\_\_\_\_  $1.774$

9.  $1.009$  \_\_\_\_\_  $1.1$

10.  $10^2$  \_\_\_\_\_  $1,000$



# MINUTE 40

NAME \_\_\_\_\_

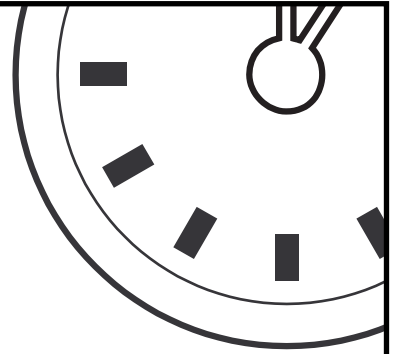
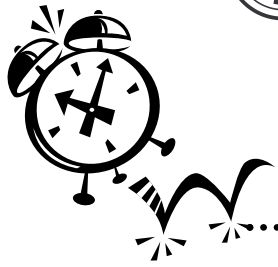
1. A decagon has \_\_\_\_\_ sides.
2. Eight squared equals \_\_\_\_\_.
3. The mean of 3, 5, 10 is \_\_\_\_\_.
4.  $\sqrt{25} =$  \_\_\_\_\_
5. Write  $\frac{1}{4}$  as a decimal. \_\_\_\_\_

Use  $<$ ,  $>$ , or  $=$  to complete questions 6–8.

6. 8.2 \_\_\_\_\_ 8.19
7. 0.006 \_\_\_\_\_ 0.08
8.  $3^2$  \_\_\_\_\_  $2 \cdot 2 \cdot 2$

For questions 9 and 10, round to the underlined place value.

9. 0.683 \_\_\_\_\_
10. 88 \_\_\_\_\_



# MINUTE 41

NAME \_\_\_\_\_

1. Write 64,120 in scientific notation. \_\_\_\_\_

2. If  $a = 6$  and  $b = 8$ , then  $ab =$  \_\_\_\_\_

3.  $11 \cdot 4 =$  \_\_\_\_\_

4.  $5 + 6 \cdot 2 =$  \_\_\_\_\_

5. Nine squared is equal to \_\_\_\_\_.

6. The square root of 36 is \_\_\_\_\_.

7. Circle the answer that is equivalent to  $0.432 \times 0.14$ :  
a. 0.06      b. 6.048      c. 0.06048      d. 43.2

8. Name the shape. \_\_\_\_\_

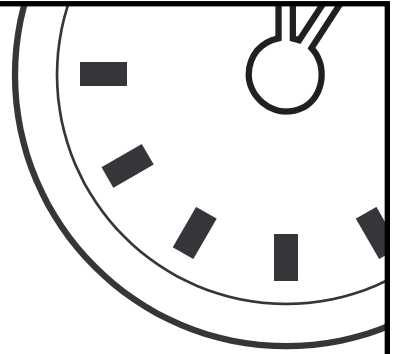
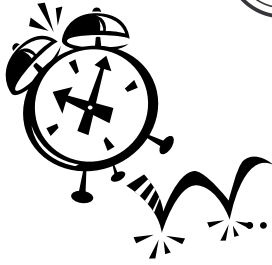


For questions 9 and 10, round to the underlined place value.

9. 0.593 \_\_\_\_\_

10. 0.0032 \_\_\_\_\_





# MINUTE 42

NAME \_\_\_\_\_

1.  $25 + 50 =$

2. Circle the answer that is equal to  $0.62 \times 0.4$ :  
a. 0.04    b. 0.248    c. 8.3    d. 0.00083

3. 
$$\begin{array}{r} 75 \\ \times 75 \\ \hline \end{array}$$

4. Write 5,823 in scientific notation. \_\_\_\_\_

5. The mean of 2, 10, 9 is \_\_\_\_\_.

6.  $0.5 + 0.2 =$

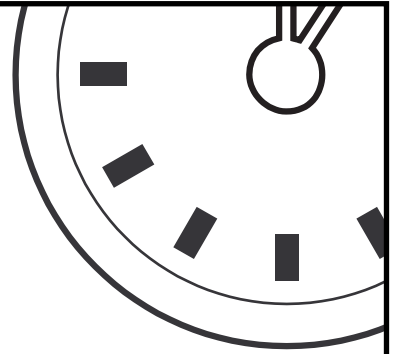
7. A pentomino has \_\_\_\_\_ squares.

Use  $<$ ,  $>$ , or  $=$  to complete questions 8–10.

8.  $1.49$  \_\_\_\_\_  $1.483$

9.  $3.43 \times 10^4$  \_\_\_\_\_  $3.43 \times 10^5$

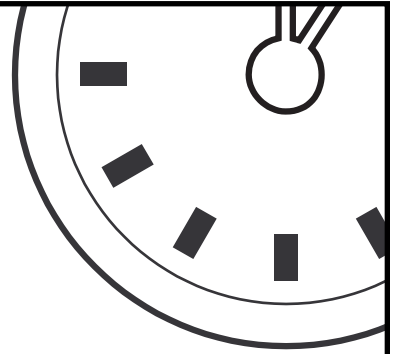
10.  $2.900$  \_\_\_\_\_  $2.9$



# MINUTE 43

NAME \_\_\_\_\_

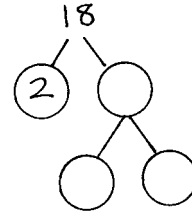
1. Is seventeen prime or composite? \_\_\_\_\_
2. Is 492 evenly divisible by 9?            Circle: Yes or No
3. Circle the answer that is equal to  $2^2 \times 3$ :  
a.  $2 \times 3$     b.  $3 \times 3 \times 2$     c.  $22 \times 3$     d.  $2 \times 2 \times 3$
4.  $2^3 \times$  \_\_\_\_\_ = 32
5.  $\sqrt{49} =$
6.  $0.0836 \times 10^3 =$
7. Twenty dimes equal \_\_\_\_\_ dollars.
8. 1, 2, 4, 7, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
9.  $0.02 + 0.03 =$
10.  $16 \times \frac{1}{2} =$

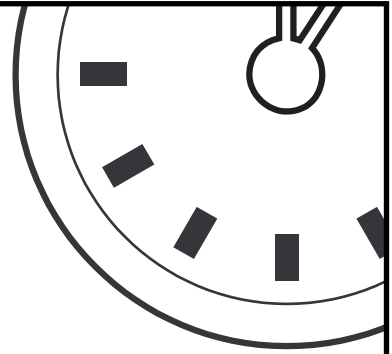


# MINUTE 44

NAME \_\_\_\_\_

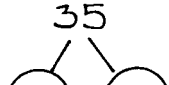
- Factor 18 using the factor tree.
- Is 107 evenly divisible by 9? Circle: Yes or No
- Twelve people have \_\_\_\_\_ ears in all.
- $10^2 =$
- Circle the answer that is equal to  $0.046 \times 0.3$ :  
a. 0.12      b. 0.0138      c. 0.128      d. 0.00463
- If  $a = 0.5$  and  $b = 8$ , then  $ab =$
- $\frac{1}{2} =$
- Write eight thousand four hundred thirty-six in scientific notation. \_\_\_\_\_
- Is twenty-seven prime or composite? \_\_\_\_\_
- Name the shape. \_\_\_\_\_





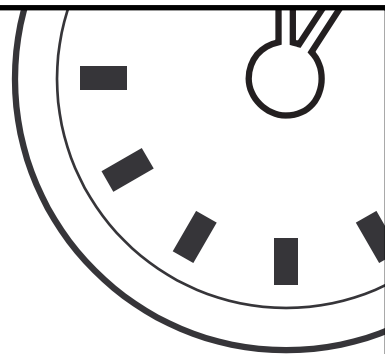
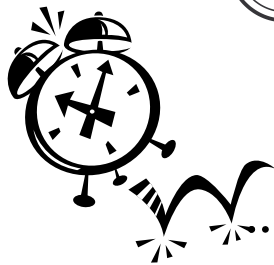
# MINUTE 45

NAME \_\_\_\_\_

1. Forty-nine days equal \_\_\_\_\_ weeks.
2.  $2 \times \underline{\hspace{2cm}} \times 5 = 70$
3. Round 17.9 to the nearest whole number. \_\_\_\_\_
4. Is 845 evenly divisible by 4?      Circle: Yes or No
5.  $\frac{1}{4} = 0.20$       Circle: True or False
6. Multiply 100 and 1.82. \_\_\_\_\_
7. Complete the factor tree.  


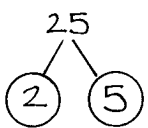
Use  $<$ ,  $>$ , or  $=$  to complete questions 8–10.

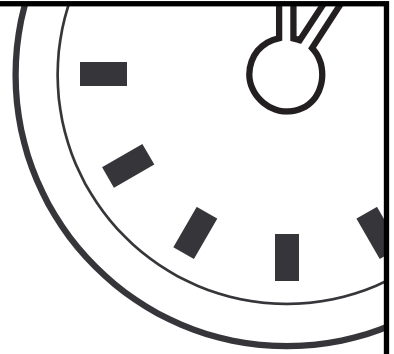
8.  $4.82$  \_\_\_\_\_  $4.083$
9.  $3 \times 2^2$  \_\_\_\_\_  $2 \times 3^2$
10.  $4,183$  \_\_\_\_\_  $4.183 \times 10^3$



# MINUTE 46

NAME \_\_\_\_\_

1. If  $a = 8$  and  $b = 2$ , then  $\frac{a}{b} =$
2. The mean of 1, 12, 14 is \_\_\_\_\_.
3. Two centuries are equal to \_\_\_\_\_ years.
4. Circle the answer that is equivalent to  $0.414141414\dots$ :  
a.  $0.4\bar{1}$       b.  $0.41\bar{40}$       c.  $0.4\bar{1}$       d.  $0.\bar{14}$
5. Five squared equals \_\_\_\_\_.
6. If  $4,132 = 4.132 \times 10^a$ , then  $a =$
7. Is 7 prime or composite? \_\_\_\_\_
8. 2, 12, 22, 32, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
9.  Circle: True or False
10. What is one hundred divided by ten? \_\_\_\_\_



# MINUTE 47

NAME \_\_\_\_\_

1. If  $\frac{4}{16} = \frac{?}{4}$ , then ? =

2. What fraction does the shaded portion of the box represent? \_\_\_\_\_



3.  $\frac{52}{100} =$  \_\_\_\_\_ %

4. Two flags with 50 stars each have \_\_\_\_\_ stars in all.

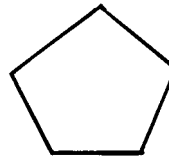
5. If  $\frac{4}{8} = \frac{?}{2}$ , then ? =

6.  $\frac{90}{100} =$  \_\_\_\_\_ %

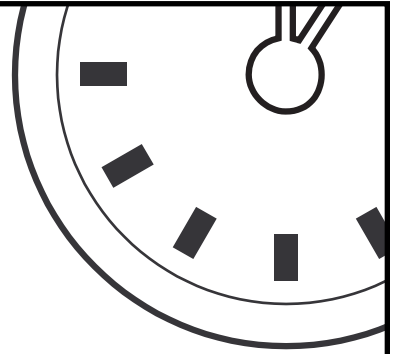
7.  $24 = 2 \cdot 2 \cdot 2 \cdot$  \_\_\_\_\_

8. In the number 54,631, what digit is in the ten thousands place? \_\_\_\_\_

9. Name the shape. \_\_\_\_\_



10. What is thirty plus thirty? \_\_\_\_\_



# MINUTE 48

NAME \_\_\_\_\_

1. Multiply 0.023 and  $10^2$ . \_\_\_\_\_

2.  $\frac{41}{100} =$  \_\_\_\_\_ %

3. What fraction does the shaded portion of the box represent? \_\_\_\_\_



4.  $44.68 \div 10 =$

5.  $\sqrt{121} =$

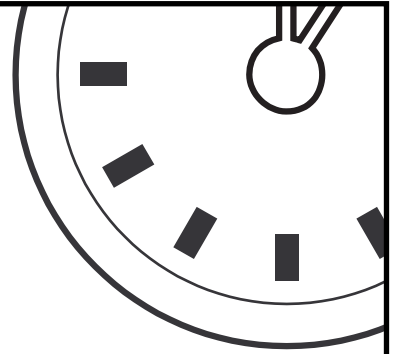
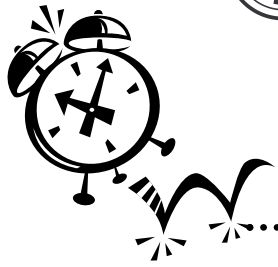
6. If  $a = 8$  and  $b = 4$ , then  $ab =$

7.  $2 \cdot 3 \cdot 5 =$

8.  $0 \times 5,123 =$

9.  $\frac{8}{10} =$  \_\_\_\_\_ %

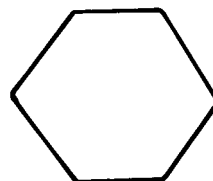
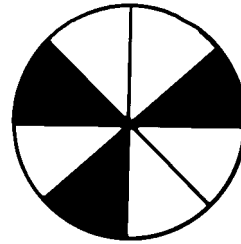
10. If  $\frac{1}{3} = \frac{m}{9}$ , then  $m =$



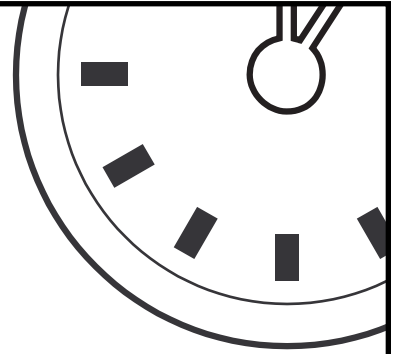
# MINUTE 49

NAME \_\_\_\_\_

1. Is thirty-three prime or composite? \_\_\_\_\_
2. Write 76% as a decimal. \_\_\_\_\_
3. 1, 4, 7, 10, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
4.  $0.5 + 0.42 =$
5.  $9^2 =$
6. What fraction does the shaded portion of the circle represent? \_\_\_\_\_
7. If  $\frac{1}{7} = \frac{3}{n}$ , then  $n =$
8.  $1.2 + 2.2 =$
9. The sum of 8 and 9 is \_\_\_\_\_.
10. Name the shape. \_\_\_\_\_



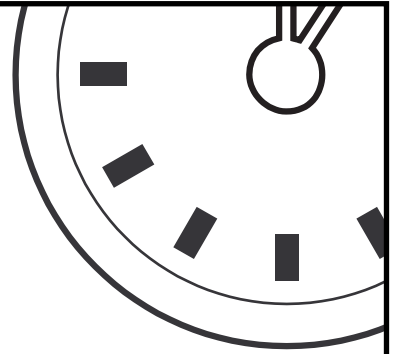




# MINUTE 50

NAME \_\_\_\_\_

1.  $6.2 \times 10 =$
2. If an ant has six legs, then how many legs do eight ants have in all? \_\_\_\_\_
3. List the factors of 12.  
\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_/\_\_\_\_\_
4.  $(8 + 2)5 =$
5. If  $n - 8 = 2$ , then  $n =$
6.  $5^2 =$
7. If  $x = 2$  and  $y = 6$ , then  $xy =$
8.  $\pi = 3.1$ \_\_
9.  $0 \div 11 =$
10. Round eighteen and ninety-four hundredths to the nearest whole number. \_\_\_\_\_



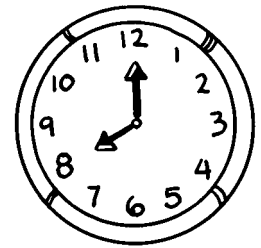
# MINUTE 51

NAME \_\_\_\_\_

1.  $4^2 =$

2. If  $36 = n^2$ , then  $n =$

3. Three hours from the time shown would be \_\_\_\_\_.



4.  $7 + 3.4 =$

5. What are the first three multiples of 4? \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

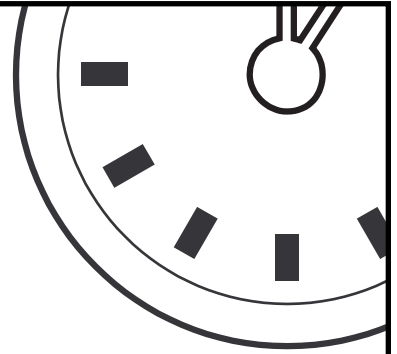
6. List the factors of 20.  
\_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_

7.  $8 \times \text{_____} = 96$

8.  $\pi = 3$ . \_\_\_\_\_

9. \_\_\_\_\_  $\div 4 = 6$

10. If  $5(n-2) = 35$ , then  $n =$



# MINUTE 52

NAME \_\_\_\_\_

1.  $9 \times 9 - 1 =$

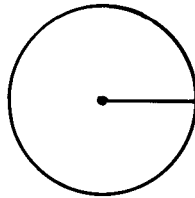
2. Round 0.789 to the nearest tenth. \_\_\_\_\_

3. Use exponents to write  $4 \times 4 \times 4 \times 4$ . \_\_\_\_\_

4.  $2 + 36 \div 6 =$

5.  $140 \div 10 =$

6.  $\pi =$



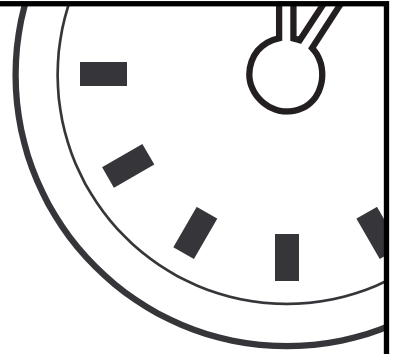
7. If  $\frac{n}{3} = 2$ , then  $n =$

8. If  $n = 2$ , then  $8n =$

Use  $<$ ,  $>$ , or  $=$  to complete questions 9 and 10.

9.  $1.34$  \_\_\_\_\_  $1.308$

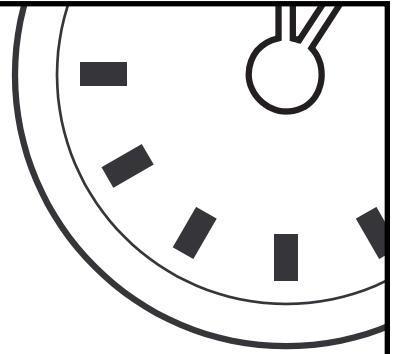
10.  $9^2$  \_\_\_\_\_  $3^4$



# MINUTE 53

NAME \_\_\_\_\_

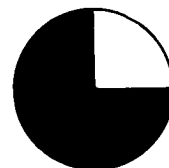
1. If  $\frac{3}{5} = \frac{x}{50}$ , then  $x =$
2. List the first three multiples of 5. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
3.  $\frac{45}{100} =$  \_\_\_\_\_ %
4. If  $n^2 = 64$ , then  $n =$
5. What are the factors of 18? \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
6.  $\frac{12}{4} =$
7.  $2^2 \times 3 =$
8. If  $a = 1$ ,  $b = 2$ , and  $c = 3$ , then  $abc =$
9. Seventy-three out of 100 is \_\_\_\_\_ %
10. Is this a regular polygon?  
Circle: Yes or No

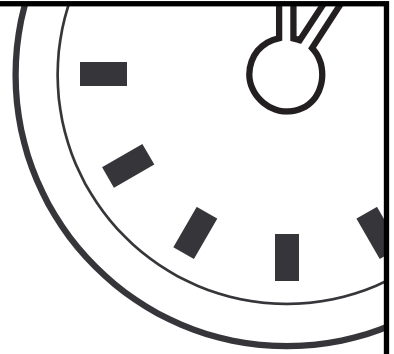


# MINUTE 54

NAME \_\_\_\_\_

1. Circle the answer that shows the probable length of this paperclip:  
a. 3 millimeters    b. 3 centimeters  
c. 3 meters        d. 3 kilometers
2.  $4(2 + 3) =$
3.  $0 \times 5,843 =$
4.  $\pi =$
5. List the first three multiples of 10. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
6. Is 13 prime or composite? \_\_\_\_\_
7.  $16 = 3^2 \times 2$       Circle: True or False
8. If  $16\% = \frac{?}{100}$ , then ? =
9. Is 4,032 evenly divisible by 3?      Circle: Yes or No
10. What fraction does the shaded portion of the circle represent? \_\_\_\_\_





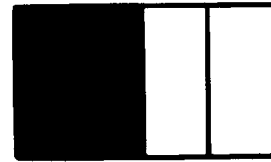
# MINUTE 55

NAME \_\_\_\_\_

1. Eight out of 100 = \_\_\_\_\_ %

2. 18:100 is \_\_\_\_\_ %

3. What fraction does the shaded portion of the box represent? \_\_\_\_\_



4. 
$$\begin{array}{r} 65 \\ \times 65 \\ \hline \end{array}$$

5.  $10 \times 8.4 =$

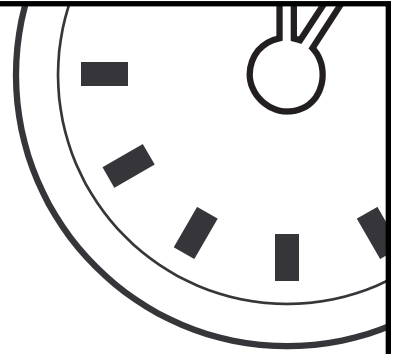
6. Simplify:  $\frac{18}{24} =$

7. List the first three multiples of 9. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

8. List the factors of 6. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

9. Is 432 evenly divisible by 9? Circle: Yes or No

10.  $3^2 \cdot 7 = 63$  Circle: True or False



# MINUTE 56

NAME \_\_\_\_\_

1.  $\sqrt{100} =$

2.  $20:100 =$  \_\_\_\_\_ %

3. If  $65\% = \frac{x}{100}$ , then  $x =$

4. Simplify:  $\frac{8}{32} =$

5. What are the factors of 15? \_\_\_\_\_

6. List the first three multiples of 7. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

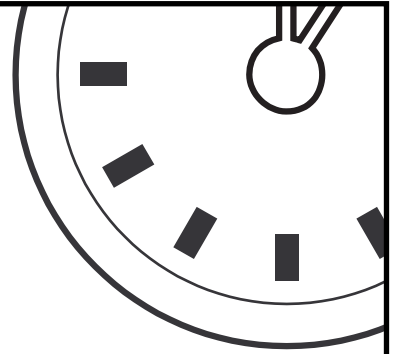
7. Is 10,032 evenly divisible by 3?      Circle: Yes or No

Use  $<$ ,  $>$ , or  $=$  to complete questions 8–10.

8.  $10^2$  \_\_\_\_\_  $\frac{1,000}{10}$

9.  $0.042$  \_\_\_\_\_  $0.05$

10.  $32\%$  \_\_\_\_\_  $32:100$



# MINUTE 57

NAME \_\_\_\_\_

1. Simplify:  $\frac{5}{15} =$

2. Circle the greater number: 0.08 or 0.0763

3. If  $a = 12$  and  $b = 100$ , then  $= \frac{a}{b}$  \_\_\_\_\_ %.

4. Is 509 evenly divisible by 4? Circle: Yes or No

5. List the factors of 14. \_\_\_\_\_

6. List the first three multiples of 2. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

7. Circle the answer that shows the length of this ticket:  
a. 4 km                      b. 4 m  
c. 4 cm                      d. 4 mm



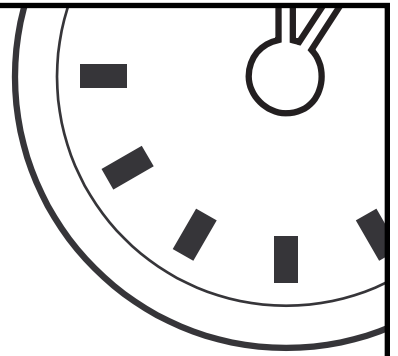
Use  $<$ ,  $>$ , or  $=$  to complete questions 8–10.

8. 38% \_\_\_\_\_ 0.33

9.  $3^2$  \_\_\_\_\_  $2^4$

10.  $\frac{4}{16}$  \_\_\_\_\_  $\frac{1}{4}$

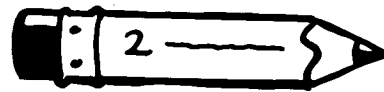


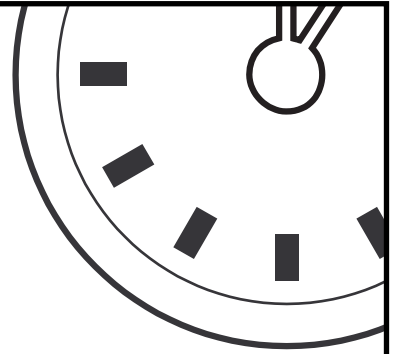


# MINUTE 58

NAME \_\_\_\_\_

1. If  $a = 1.2$  and  $b = 10$ , then  $ab =$  \_\_\_\_\_
2. If  $\frac{12}{100} = \frac{?}{50}$ , then  $? =$  \_\_\_\_\_
3. List the factors of 24. \_\_\_\_\_
4.  $0:100 =$  \_\_\_\_\_ %
5.  $\frac{14}{2} =$  \_\_\_\_\_
6.  $\sqrt{36} =$  \_\_\_\_\_
7. Circle the answer that shows the length of this pencil:  
a. 5 cm                      b. 25 cm  
c. 50 cm                     d. 75 cm
8.  $4^2 =$  \_\_\_\_\_
9. Four feet is equal to \_\_\_\_\_ inches.
10. Write twenty-three thousandths as a decimal. \_\_\_\_\_

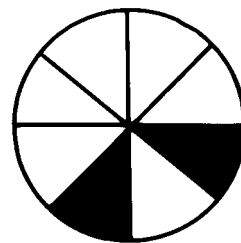


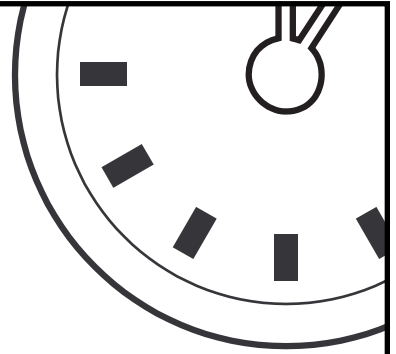


# MINUTE 59

NAME \_\_\_\_\_

1. Write 98% as a decimal. \_\_\_\_\_
2. Circle the greater value: 65% or  $\frac{7}{10}$
3.  $5.234 \times 10 =$
4. Round 8.546 to the nearest tenth. \_\_\_\_\_
5.  $2^3 =$
6.  $10\pi =$
7. If  $\frac{6}{18} = \frac{?}{6}$ , then ? =
8. Thirty-six eggs are equal to \_\_\_\_\_ dozen eggs.
9. Estimate:  $8.2 + 4.9 =$
10. What fraction does the shaded portion of the circle represent? \_\_\_\_\_

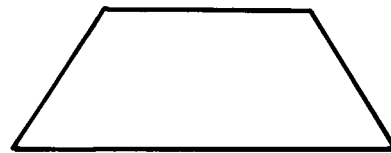


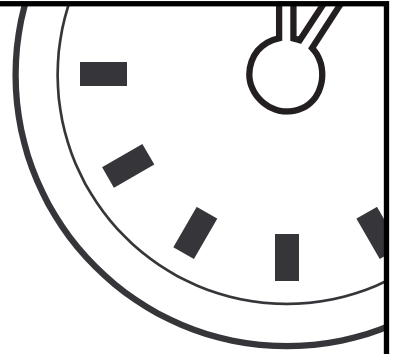


# MINUTE 60

NAME \_\_\_\_\_

1. Write  $\frac{35}{100}$  as a decimal. \_\_\_\_\_
2.  $\frac{3}{4} =$  \_\_\_\_\_ %
3. If  $\frac{1}{2} = \frac{s}{8}$ , then  $s =$  \_\_\_\_\_
4. Circle the greater number: 0.049 or 0.08
5. Round 15.402 to the nearest tenth. \_\_\_\_\_
6. If  $\frac{1}{3} = \frac{t}{60}$ , then  $t =$  \_\_\_\_\_
7. Write 2:7 as a fraction. \_\_\_\_\_
8. If  $a = 100$  and  $b = 0.06$ , then  $ab =$  \_\_\_\_\_
9.  $0 \div 38 =$  \_\_\_\_\_
10. Name the shape. \_\_\_\_\_

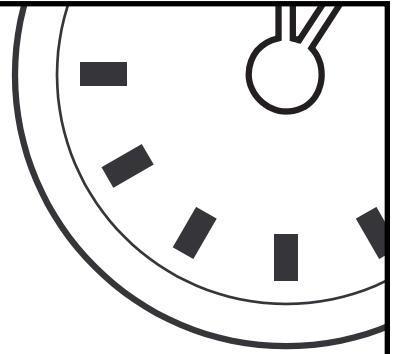




# MINUTE 61

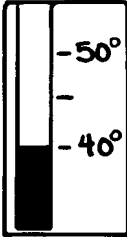
NAME \_\_\_\_\_

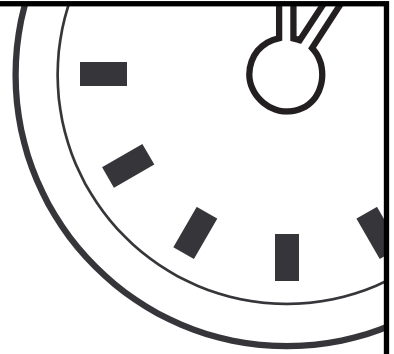
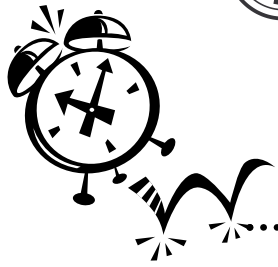
1. Write 0.12 as a percent. \_\_\_\_\_
2. Is 19 a prime number?      Circle: Yes or No
3.  $\frac{1}{4} =$  \_\_\_\_\_ %
4. List the first three multiples of 5. \_\_\_\_\_ / \_\_\_\_\_ / \_\_\_\_\_
5. Round 14.9631 to the nearest tenth. \_\_\_\_\_
6. How many times must a three-minute timer be flipped to measure a half hour? \_\_\_\_\_
7. Is 817 evenly divisible by 4?      Circle: Yes or No
8. Circle the greater number:  $4^2$  or  $8(3+4)$
9. If  $41,232 = 4.1232 \times 10^m$ , then  $m =$  \_\_\_\_\_
10. Is twenty-four prime or composite? \_\_\_\_\_



# MINUTE 62

NAME \_\_\_\_\_

1. 13,328.96 Which digit is in the hundredth place? \_\_\_\_\_
2. Circle the answer that is equal to  $v^6$ :  
a.  $v + v + v + v + v + v$     b.  $6v$     c.  $v^3 + v^3$     d.  $v \cdot v \cdot v \cdot v \cdot v \cdot v$
3. What is the temperature? \_\_\_\_\_  

4.  $\sqrt{25} =$
5. If  $100 = 10^k$ , then  $k =$
6.  $\frac{10}{2} =$
7.  $3.38 \times 100 =$
8. What is the sum of two hundred and four hundred? \_\_\_\_\_
9. What is the smallest two-digit prime number? \_\_\_\_\_
10.  $(2)(3)(4) =$



# MINUTE 63

NAME \_\_\_\_\_

1. Circle the greater number:  $\frac{3}{4}$  or 0.5

2. If  $a = 8$ , then  $a^2 =$

3. 
$$\begin{array}{r} 514 \\ 18 \overline{)9252} \end{array}$$
 Which number is the divisor? \_\_\_\_\_

4.  $6(4 + 2) =$

5.  $\sqrt{10} \quad 10$

6.  $\frac{1}{4} + \frac{2}{4} =$

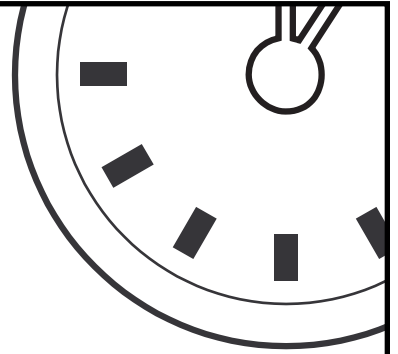
7. What is the total cost of an item priced \$4.95 if there is 5% sales tax? \_\_\_\_\_

Use  $<$ ,  $>$ , or  $=$  to complete questions 8–10.

8.  $0.0083$  \_\_\_\_\_  $0.01$

9.  $2^3$  \_\_\_\_\_  $5 + 3$

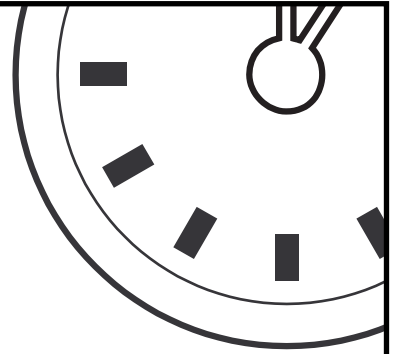
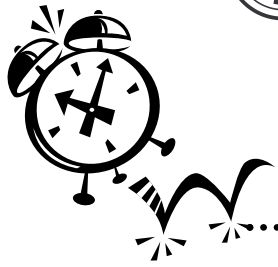
10.  $1,000,000$  \_\_\_\_\_ one million



# MINUTE 64

NAME \_\_\_\_\_

1. Reduce:  $\frac{21}{28} =$
2. If  $22.009 = 22 + \frac{?}{1,000}$ , then  $? =$
3. List the factors of 8. \_\_\_\_\_
4.  $12(3) =$
5.  $\frac{1}{8} + \frac{2}{8} =$
6. Circle the measurement that shows the greatest length:  
a. 15 inches    b. 2 feet    c. 25 centimeters    d. 1 meter
7. Is 312 evenly divisible by 3?    Circle: Yes or No
8. If  $ab = 10$  and  $b = 2$ , then  $a =$
9.  $1^3 =$
10.  $4 + 2.5 =$

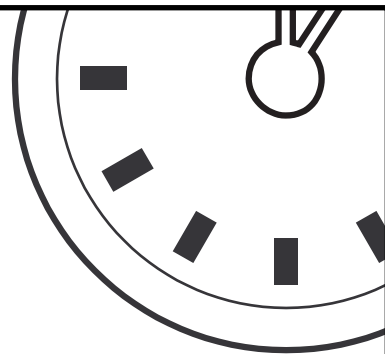


# MINUTE 65

NAME \_\_\_\_\_

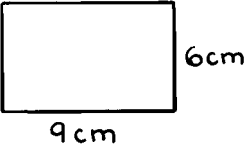
1. Write 28% as a decimal. \_\_\_\_\_
2. The Least Common Multiple of four and five is \_\_\_\_\_.
3. Reduce:  $\frac{5}{40} =$
4.  $\frac{4}{10} =$  \_\_\_\_\_ %
5. If  $ac = 20$  and  $a = 10$ , then  $c =$
6.  $\frac{3}{7} - \frac{1}{7} =$
7.  $\sqrt{5} \cdot 5 =$
8. List the factors of 25. \_\_\_\_\_
9.  $0.40 + 0.05 =$
10. If  $10w = 50$ , then  $w =$

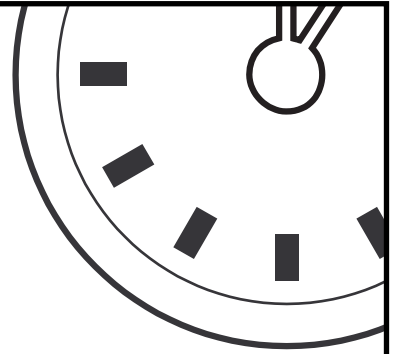




# MINUTE 66

NAME \_\_\_\_\_

1.  $4^2 =$
2.  $5 + 2(4+1) =$
3. If  $5\frac{1}{2} = \frac{?}{2}$ , then  $? =$
4. 1, 2, 4, 8... Circle: Arithmetic sequence or Geometric sequence
5. Write  $\frac{1}{3}$  as a decimal. \_\_\_\_\_
6. Circle the greater number:  $\frac{22}{33}$  or  $\frac{7}{11}$
7. What is the area of the rectangle? \_\_\_\_\_  $\text{cm}^2$   

8. What is the perimeter of the rectangle shown in question 7? \_\_\_\_\_ cm
9. Circle the answer that is equal to 5.12888... :  
a.  $5.\overline{128}$    b.  $5.\overline{12}$    c.  $5.128\overline{8}$    d.  $5.12\overline{8}$
10. Round 1,286 to the nearest hundred. \_\_\_\_\_



# MINUTE 67

NAME \_\_\_\_\_

1.  $0.4 + 0.7 + 0.3 =$

2. Is 80,100 evenly divisible by 3? Circle: Yes or No

3. Eight weeks = \_\_\_\_\_ days

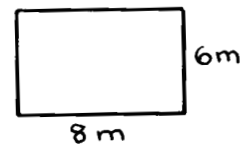
4. If  $3\frac{2}{3} = \frac{?}{3}$ , then ? =

5. Write  $\frac{1}{4}$  as a decimal. \_\_\_\_\_

6. Write eight thousand one hundred twenty-three in scientific notation. \_\_\_\_\_

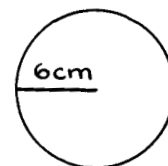
7. If  $b = 10$  and  $h = 2$ , then  $bh =$

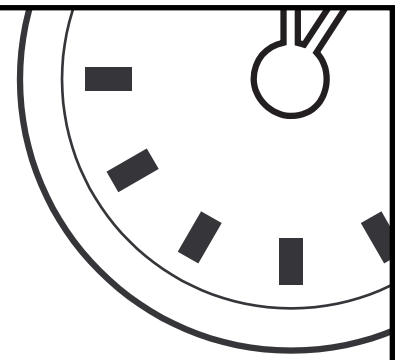
8. What is the area of the rectangle? \_\_\_\_\_  $m^2$



9. What is the perimeter of the rectangle shown in question 8? \_\_\_\_\_ m

10. What is the diameter of the circle? \_\_\_\_\_ cm





# MINUTE 68

NAME \_\_\_\_\_

1. How many points ahead are the Eagles? \_\_\_\_\_

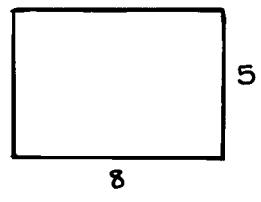
Basketball	
Eagles	46
Stars	32

2. 3, 4.5, 6, 7.5, \_\_\_\_\_, \_\_\_\_\_

3.  $11 < a \leq 13$  What odd number does  $a$  equal? \_\_\_\_\_

4.  $2^3 \times 3 =$

5. What is the area? \_\_\_\_\_



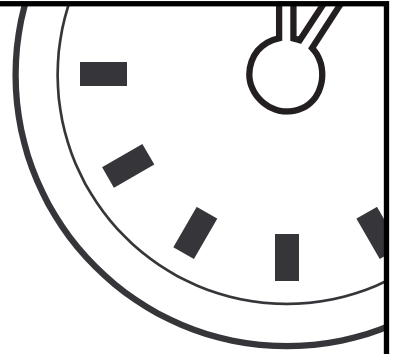
6. What is the perimeter of the rectangle shown in question 5? \_\_\_\_\_

7.  $10.5 + \frac{1}{2} =$

8. If  $\varpi \times 100 = 1,000$ , then  $\varpi =$


9. The absolute value of  $-7$  is \_\_\_\_\_.

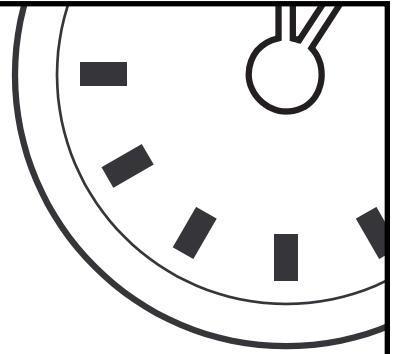
10. A negative number times a negative number is a \_\_\_\_\_.



# MINUTE 69

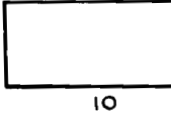
NAME \_\_\_\_\_

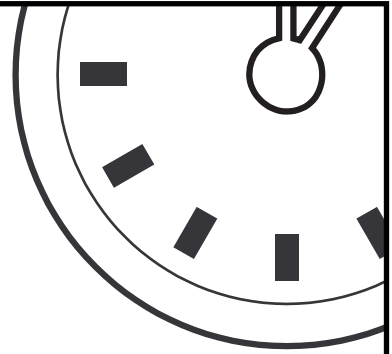
1. If  $l = 8$ ,  $w = 2$ , and  $h = 1$ , then  $lwh =$  \_\_\_\_\_
2.  $6 \overline{)48}^8$  Which is the dividend? \_\_\_\_\_
3.  $3(2 + 3 + 1) =$  \_\_\_\_\_
4.  $0.244 \times 10 =$  \_\_\_\_\_
5. 1 meter = 100 centimeters      Circle: True or False
6. What shape is a stop sign? \_\_\_\_\_
7. If  $s = 3$ , then  $4s^2 =$  \_\_\_\_\_
8. If  $10w = 50$ , then  $w =$  \_\_\_\_\_
9. What is the perimeter of the square? \_\_\_\_\_ cm 
10. What is the area of the square shown in question 9? \_\_\_\_\_  $\text{cm}^2$



# MINUTE 70

NAME \_\_\_\_\_

1. Seven dollars is equal to \_\_\_\_\_ pennies.
2. Write  $\frac{9}{4}$  as a mixed number. \_\_\_\_\_
3. Write  $\frac{3}{4}$  as a decimal. \_\_\_\_\_
4.  $0.2 + 0.25 =$  \_\_\_\_\_
5. If  $a = 3$  and  $b = 9$ , then  $\frac{b}{a} =$  \_\_\_\_\_
6.  $24 \cdot \frac{1}{2} =$  \_\_\_\_\_
7.  $\left(\frac{1}{7}\right)\left(\frac{1}{8}\right) =$  \_\_\_\_\_
8. What is the perimeter of the rectangle? \_\_\_\_\_  

9. What is the area of the rectangle shown in question 8? \_\_\_\_\_
10. Area is always measured in what kind of units? \_\_\_\_\_



# MINUTE 71

NAME \_\_\_\_\_

1.  $0.046 \times 10^2 =$

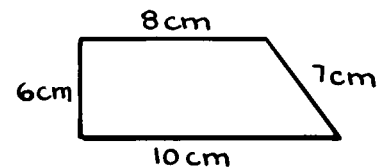
2. If  $w = 2$ , then  $5w^2 =$

3.  $\frac{1}{2}(4 + 2) =$

4.  $4 + 3 \cdot 2 =$

5.  $\frac{1}{2} \times \frac{2}{7} =$

6. What is the perimeter of this shape? \_\_\_\_\_

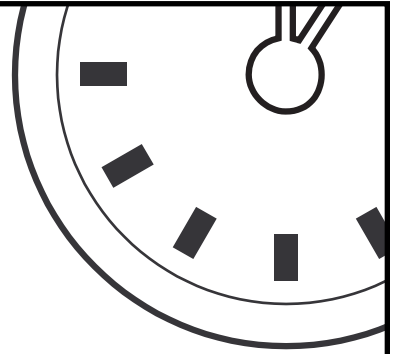


7. The product of 6 and 7 equals \_\_\_\_\_.

8. What is the reciprocal of  $\frac{4}{9}$ ? \_\_\_\_\_

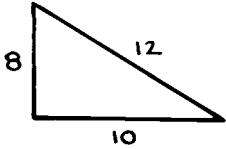
9. Write  $\frac{13}{4}$  as a mixed number. \_\_\_\_\_

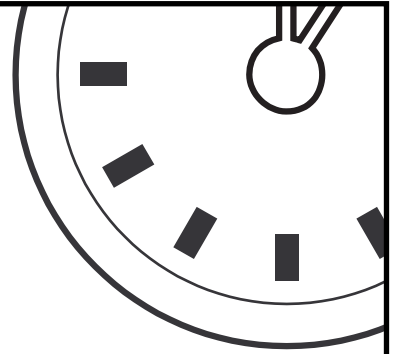
10. Write  $\frac{1}{4}$  as a decimal. \_\_\_\_\_



# MINUTE 72

NAME \_\_\_\_\_

1.  $52 \times 10^2 =$
2. If  $a = \frac{1}{2}$  and  $b = \frac{1}{3}$ , then  $ab =$
3.  $\frac{1}{2}(4 \cdot 2) =$
4. What is the reciprocal of  $\frac{7}{5}$ ? \_\_\_\_\_
5. Reduce:  $\frac{12}{36} =$
6. Write  $5\frac{1}{4}$  as an improper fraction. \_\_\_\_\_
7. What is the perimeter of the triangle? \_\_\_\_\_  

8. Write  $\frac{1}{3}$  as a decimal. \_\_\_\_\_
9. What is the area of a box that is eight by four by two? \_\_\_\_\_
10. 10, 13, 16, 19... Circle: Arithmetic sequence or Geometric sequence



# MINUTE 73

NAME \_\_\_\_\_

1. Reduce:  $\frac{3}{12} =$

2.  $\frac{8}{12} = \frac{2}{3}$  Circle: True or False

3. If  $6c = 42$ , then  $c =$

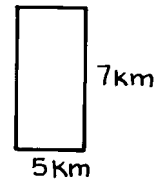
4.  $(-8)(-4) =$

5.  $5 - (-8) =$

6. If  $-4a = -20$ , then  $a =$

7. Write 12% as a decimal. \_\_\_\_\_

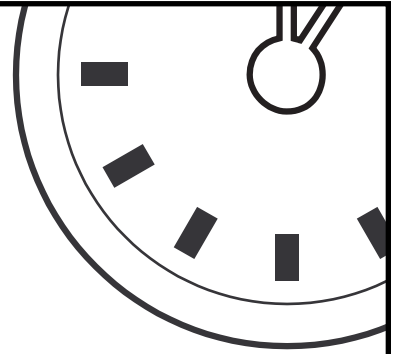
8. What is the area of the rectangle? \_\_\_\_\_



9. What is the perimeter of the rectangle shown in question 8? \_\_\_\_\_


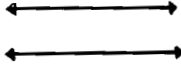
10. The square root of 36 is \_\_\_\_\_.

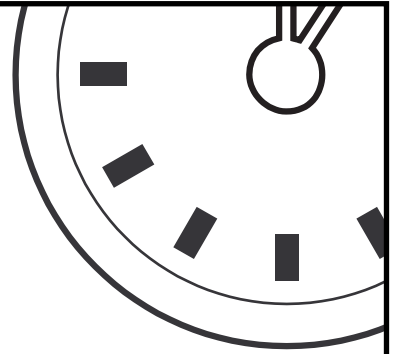




# MINUTE 74

NAME \_\_\_\_\_

1. Simplify:  $\frac{3}{6} =$
2. If  $(-6)(-4) = b$ , then  $b =$
3. If  $l = 2$ ,  $w = 3$ , and  $h = 4$ , then  $lwh =$
4. What is the area of this shape? \_\_\_\_\_   
12 4
5. Are the lines perpendicular?  Circle: Yes or No
6. Two hours equal \_\_\_\_\_ minutes.
7. Round 18.24 to the ones place. \_\_\_\_\_
8.  $12 - (-4) =$
9.  $-4 + -5 =$
10. If  $x - 2 = 3$ , then  $x =$



# MINUTE 75

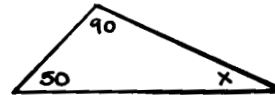
NAME \_\_\_\_\_

1.  $\frac{1}{2}(16) =$

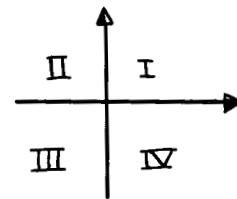
2. Round 0.3644 to the thousandths place. \_\_\_\_\_

3. If  $x + 4 = 6$ , then  $x =$

4. How many degrees is angle  $x$ ? \_\_\_\_\_



5. What quadrant is the point  $(-4, 4)$  in? \_\_\_\_\_



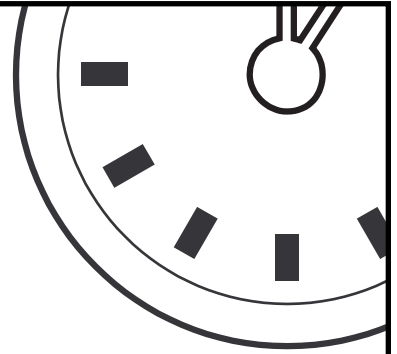
6. If  $-8x = 24$ , then  $x =$

7. Draw the line(s) of symmetry for the letter: **H**

8.  $7^2 =$

9. The square root of sixteen is \_\_\_\_\_.

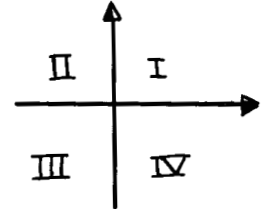
10.  $5\% = 0.5$  Circle: True or False



# MINUTE 26

NAME \_\_\_\_\_

1. What quadrant is the point  $(-4, -7)$  in? \_\_\_\_\_



2. A triangle has \_\_\_\_\_ degrees.

3. Draw the line(s) of symmetry for the letter: **T**

4. Reduce:  $\frac{9}{21} =$

5. What kind of angle is this?  
Circle: Acute Obtuse Right



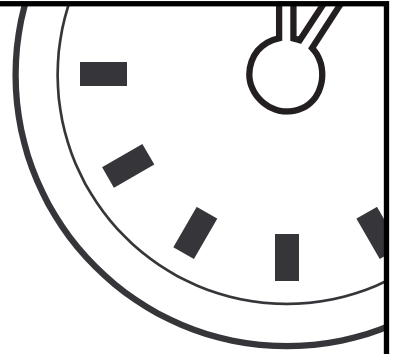
6.  $4 - (-3) =$

7. Three hours later than nine o'clock is \_\_\_\_\_.

8. If  $a = 10$ , then  $a^2 =$

9.  $13 \times 3 =$

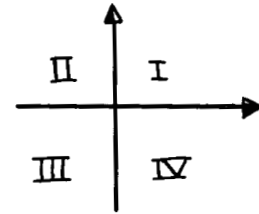
10. List the factors of 15. \_\_\_\_\_



# MINUTE 77

NAME \_\_\_\_\_

1. What quadrant is the point  $(-4, 5)$  in? \_\_\_\_\_



2. The square root of 64 is \_\_\_\_\_.

3. If  $b^2 = 81$ , then  $b =$  \_\_\_\_\_

4. Squares and square roots are the same thing.  
Circle: True or False

5.  $\frac{12}{2} =$  \_\_\_\_\_

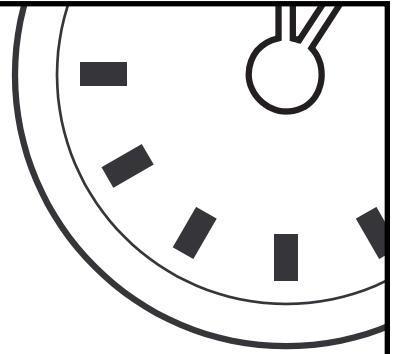
6. Seven squared = \_\_\_\_\_

7. Circle the answer that shows 8 times a number:  
a.  $8 + n$     b.  $\frac{n}{8}$     c.  $n - 8$     d.  $8n$

8. List the factors of 18. \_\_\_\_\_

9. Perpendicular lines never intersect.    Circle: True or False

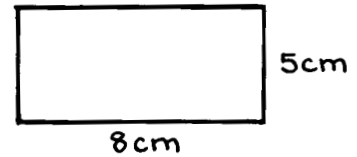
10.  $10(4 + 2) - 10 =$  \_\_\_\_\_



# MINUTE 78

NAME \_\_\_\_\_

1. What is the area of the triangle? \_\_\_\_\_



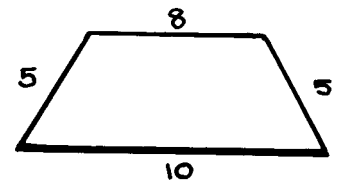
2. What is the reciprocal of  $\frac{8}{11}$ ? \_\_\_\_\_

3.  $\left(\frac{1}{4}\right)\left(\frac{1}{3}\right) =$

4. Circle the answer that shows 8 divided by a number:  
a.  $8 \cdot n$       b.  $8n$       c.  $8(n)$       d.  $\frac{8}{n}$

5. If  $a = 25$ , then  $\sqrt{a} =$

6. What is the perimeter of this shape? \_\_\_\_\_

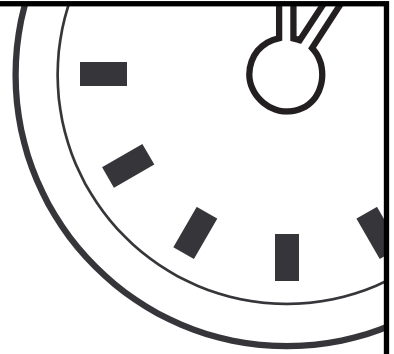


7. What is the shape shown in question 6 called? \_\_\_\_\_

8. What is the mean of two, five, and eleven? \_\_\_\_\_

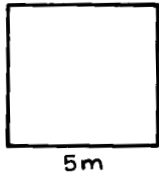
9. What is the product of four and nine? \_\_\_\_\_

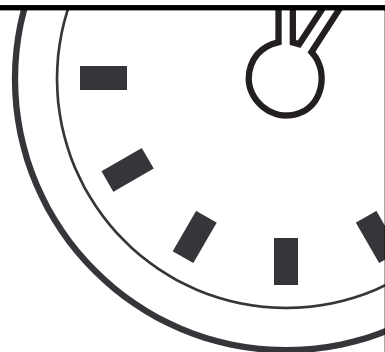
10.  $43.2 \div 100 =$



# MINUTE 79

NAME \_\_\_\_\_

1. One thousand nine hundred ninety-nine minus one thousand nine hundred ninety-eight is \_\_\_\_\_.
2. Identify which of these numbers is a multiple of 5 and 6: 10, 15, 18, 24, 30
3. Round 15.132 to the nearest hundredth. \_\_\_\_\_
4. Circle the fraction that represents the least value:  $\frac{1}{7}$     $\frac{1}{3}$     $\frac{1}{10}$
5. 
$$\begin{array}{r} 312 \\ 246 \overline{)76752} \end{array}$$
 Which number is the divisor? \_\_\_\_\_
6. If  $30 - ? = 15$ , then  $? =$  \_\_\_\_\_
7. What is the area of the square? \_\_\_\_\_  
  
5m
8. What is the perimeter of the square shown in question 7? \_\_\_\_\_
9.  $-8 + (-6) =$  \_\_\_\_\_
10.  $(-8)(-6) =$  \_\_\_\_\_



# MINUTE 80

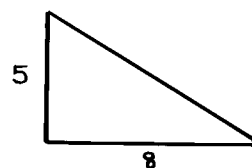
NAME \_\_\_\_\_

1. Circle the answer that shows how many hours Martha probably slept last night:  
a. 24      b. 30      c. 19      d. 8

2. Four quarters and three dimes is how much money? \_\_\_\_\_

3. Circle the answer that shows 15 more than a number:  
a.  $y + 15$     b.  $15y$     c.  $\frac{15}{y}$     d.  $y - 15$

4. What is the area of this shape? \_\_\_\_\_



5. Jon picks eight apples, eats three of them, and then picks two more. How many apples does he have now? \_\_\_\_\_

6. Circle the answer that shows the height of this drawing:  
a. 2 centimeters    b. 25 centimeters  
c. 6 feet            d. 20 inches

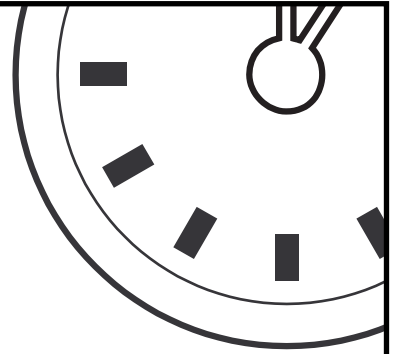
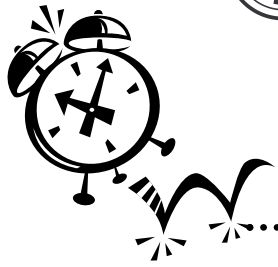


7. If  $10 + ? = 30$ , then  $? =$

8. Circle the numerator:  $\frac{5}{11}$

9.  $(-7)(-6) =$

10.  $-5 + (-6) =$

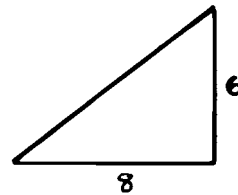


# MINUTE 81

NAME \_\_\_\_\_

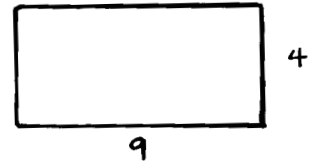
1.  $7 \times 8 \times 5 \times 0 \times 9 =$

2. What is the area of this shape? \_\_\_\_\_



3.  $\$1 - \$.56 =$

4. What is the perimeter of the rectangle? \_\_\_\_\_



5. Circle all the numbers that have the same value:

0.5    5     $\frac{1}{2}$      $\frac{5}{10}$     0.05    0.50

6. Three hours and seventy-five minutes is the same as four hours and \_\_\_\_\_ minutes.

7. Shade 25% of this box.



8. How are two lines that are parallel to each other different from any other two lines?

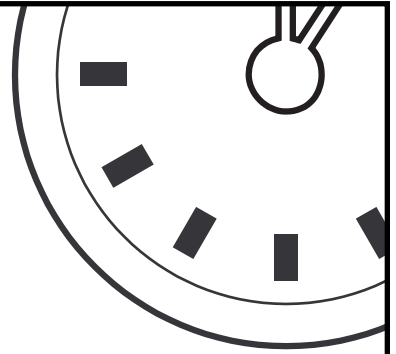
\_\_\_\_\_

9. Describe lines that are perpendicular to each other.

\_\_\_\_\_

10.  $0.5(10) =$



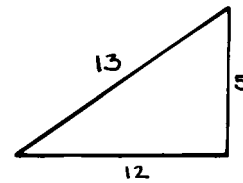


# MINUTE 82

NAME \_\_\_\_\_

1.  $27 \times 8 \times 15 \times 0 \times 11 =$

2. What is the area of the triangle? \_\_\_\_\_



3. What is the perimeter of the triangle shown in question 2? \_\_\_\_\_

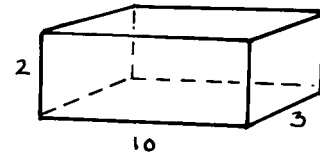
4. Multiply 2.46 by 100. \_\_\_\_\_

5. \$1.39, \$1.29, \$1.19, \_\_\_\_\_, \_\_\_\_\_

6. Scott made six out of ten baskets. What percent is this? \_\_\_\_\_

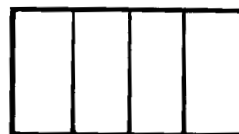
7. Three weeks and two days equal \_\_\_\_\_ days.

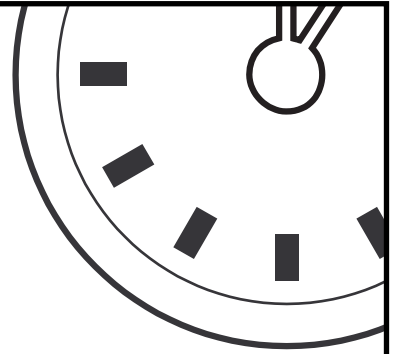
8. What is the volume of this shape? \_\_\_\_\_



9. Which is longer? Circle: 10% of a mile or 100% of a meter

10. Shade 75% of this box.

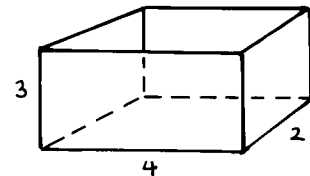


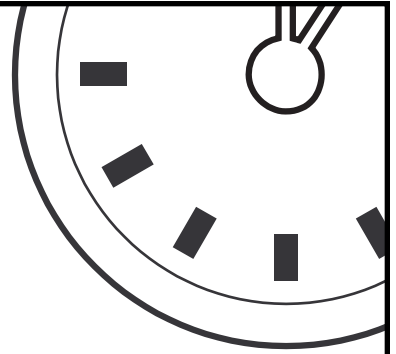


# MINUTE 83

NAME \_\_\_\_\_

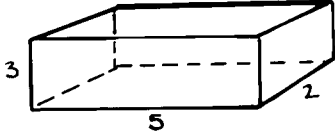
1. Farmer Brown has ten chickens. He sells all but four of them. How many chickens does he have left? \_\_\_\_\_
2.  $3 + 4(2) =$
3. Twelve quarters equal \_\_\_\_\_ dollars.
4. 10% of 60 is \_\_\_\_\_.
5.  $8^2 =$
6. Jo made eight out of ten baskets. What percent is this? \_\_\_\_\_
7. What is the area of a rectangle that is eight inches by five inches? \_\_\_\_\_
8. What is the volume of this shape? \_\_\_\_\_
9. The absolute value of  $-12$  is \_\_\_\_\_.
10. How many lines of symmetry does the letter **V** have? \_\_\_\_\_

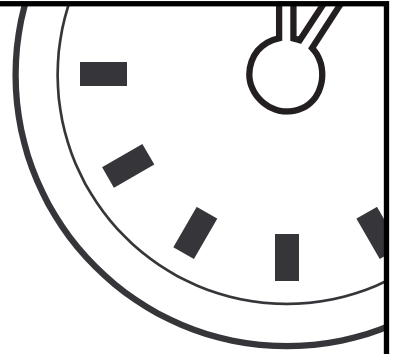




# MINUTE 84

NAME \_\_\_\_\_

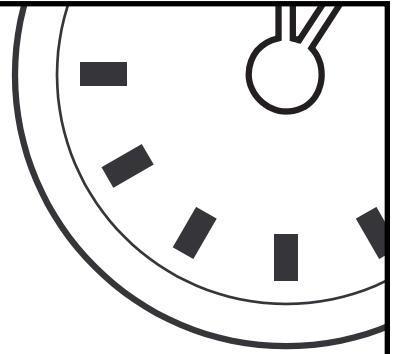
1. In the number 923, how many tens are there? \_\_\_\_\_
2. Find  $n$ .  $2 \cdot 8 - 4 = n$        $n =$
3. What is the volume of this shape? \_\_\_\_\_  

4. If  $a = 64$ , then  $\sqrt{a} =$
5. Paula had thirty dollars in five-dollar bills. How many bills did she have? \_\_\_\_\_
6. Round 173 to the nearest ten. \_\_\_\_\_
7. What is the perimeter of a triangle with sides of eight cm, six cm, and one cm? \_\_\_\_\_
8. Find the area of a 5 m square. \_\_\_\_\_
9. Circle the product:  $8 \times 6 = 48$
10. A pentagon has 6 sides.      Circle: True or False



# MINUTE 85

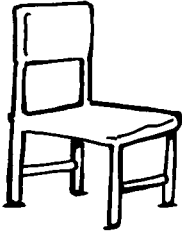
NAME \_\_\_\_\_

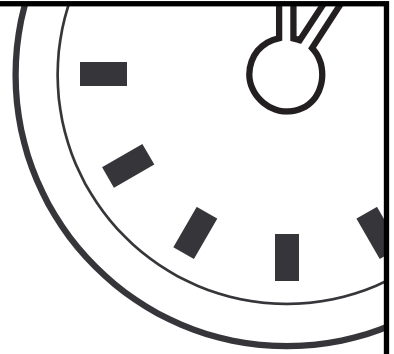
1. What part of an hour is thirty minutes? \_\_\_\_\_
2. Are railroad tracks parallel or perpendicular? \_\_\_\_\_
3. Joe earns twenty-five cents each time he walks the dog. How much can he make in a week if he walks the dog twice each day? \_\_\_\_\_
4. Find  $n$ .  $8 \times 4 = n$      $n =$
5. A rectangle has \_\_\_\_\_ sides and \_\_\_\_\_ angles.
6. Sue spent eighty-five cents on a candy apple. She gave the clerk one dollar. How much change did she receive? \_\_\_\_\_
7. One ton = \_\_\_\_\_ pounds
8.  $7 \overline{)14}$
9.  $\sqrt{81} =$
10.  $0 \cdot 1,000 =$



# MINUTE 86

NAME \_\_\_\_\_

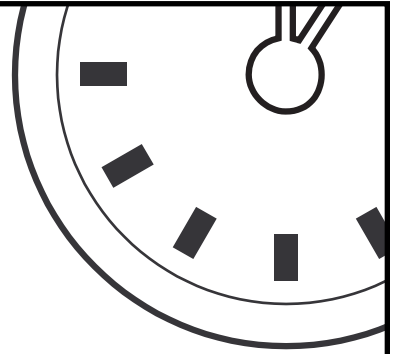
1. Round \$26.59 to the nearest dollar.
2. Are the seat and the back of this chair parallel or perpendicular? \_\_\_\_\_  

3. A triangle has \_\_\_\_\_ vertices.
4. There are \_\_\_\_\_ feet in one yard.
5. All the radii in a circle are the same length.      Circle: True or False
6. If  $7(2 + n) = 21$ , then  $n =$
7. Is 46 evenly divisible by 2?      Circle: Yes or No
8. There are \_\_\_\_\_ hours in a day.
9.  $8 - 3 + 3 =$
10.  $4 \times 6 \times 1 =$



# MINUTE 87

NAME \_\_\_\_\_

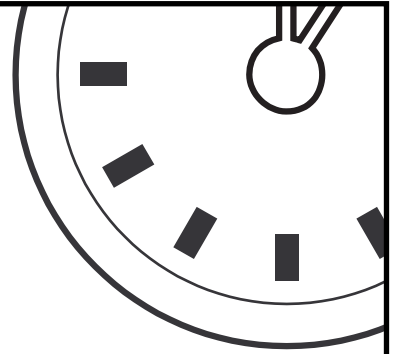
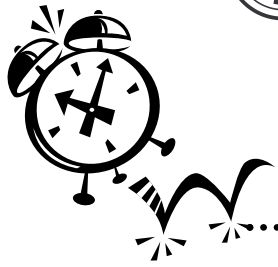
1. Water freezes at \_\_\_\_\_ °F.
2.  $2 \times 100 \times 3 =$
3. A cube has \_\_\_\_\_ faces.
4. A shape always has one line of symmetry. Circle: True or False
5. What does the prefix *kilo* mean? \_\_\_\_\_
6. Write  $13 \times 13 \times 13$  using exponents. \_\_\_\_\_
7. Two radii equal one diameter. Circle: True or False
8.  $(8 + 2) - (5 + 2) =$
9. A letter used to represent an unknown number is called a \_\_\_\_\_.
10. The distance around a polygon is called the \_\_\_\_\_.



# MINUTE 88

NAME \_\_\_\_\_

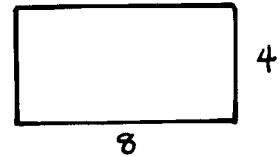
1. Round \$46.28 to the nearest \$10. \_\_\_\_\_
2. What number is  $60,000 + 1,000 + 400 + 8$ ? \_\_\_\_\_
3. Two tons equal \_\_\_\_\_ pounds.
4. Are lines that never intersect parallel or perpendicular? \_\_\_\_\_
5. One pound is \_\_\_\_\_ ounces.
6. Write the first 3 multiples of 8. \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
7. Is a house measured in meters or kilometers? \_\_\_\_\_
8. Estimate the sum for  $2.9 + 3.2$ . \_\_\_\_\_
9. What fraction of an hour is 15 minutes? \_\_\_\_\_
10. Circle the prime number:      10   11   12   14   15



# MINUTE 89

NAME \_\_\_\_\_

1. What is the area of the rectangle? \_\_\_\_\_



2. What number is  $5,000 + 300 + 40 + 2$ ? \_\_\_\_\_

3. What is the reciprocal of  $\frac{4}{11}$ ? \_\_\_\_\_

4. Write  $5\frac{1}{2}$  as an improper fraction. \_\_\_\_\_

5.  $10^3 =$  \_\_\_\_\_

6. There are \_\_\_\_\_ months in a year.

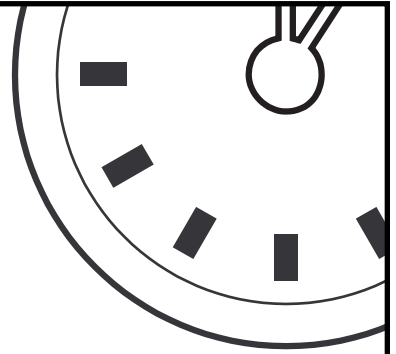
7. What is the mean of 2, 4, and 6? \_\_\_\_\_

8. A bus travels at 50 miles per hour for 3 hours.  
How many miles did it go? \_\_\_\_\_

9.  $8 - 2 + 4 =$  \_\_\_\_\_

10.  $0 \div 11 =$  \_\_\_\_\_

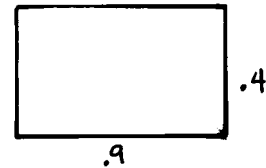




# MINUTE 90

NAME \_\_\_\_\_

1. What is the area of the rectangle? \_\_\_\_\_



2. GCF stands for what mathematical phrase?  
\_\_\_\_\_

3. What shape is this? \_\_\_\_\_



4. One is a factor of every number. Circle: True or False

5. If  $7 \times n = 42$ , then  $n =$  \_\_\_\_\_

6. What is 3 more than  $5 \times 3$ ? \_\_\_\_\_

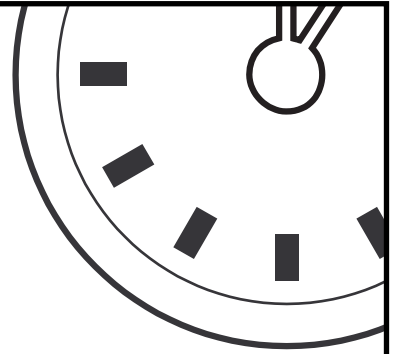
7. Add four to the product of two and ten. \_\_\_\_\_

Use  $<$ ,  $>$ , or  $=$  to complete questions 8–10.

8. 2 tons \_\_\_\_\_ 4,132 pounds

9. kilometer \_\_\_\_\_ meter

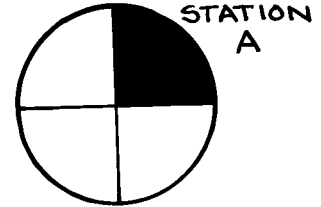
10.  $\frac{1}{2}(10)$  \_\_\_\_\_  $2(2.5)$



# MINUTE 91

NAME \_\_\_\_\_

1. What percentage of people like Station A? \_\_\_\_\_



2. Reduce:  $\frac{10}{35} =$

3.  $9^2 =$

4. If  $b^2 = 16$ , then  $b =$

5.  $10(4 + 3) =$

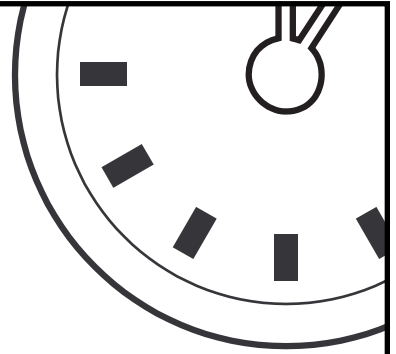
6. If  $10\% = \frac{?}{100}$ , then  $? =$

7. My book has 120 pages. If I have read half of it, how many pages have I read? \_\_\_\_\_

8. 998,104 Which digit is in the thousands place? \_\_\_\_\_

9.  $0.003 + 0.0005 =$

10. What is the product of six and eight? \_\_\_\_\_



# MINUTE 92

NAME \_\_\_\_\_

1. What is the Least Common Denominator of  $\frac{1}{3}$  and  $\frac{1}{5}$ ? \_\_\_\_\_

2. One gallon equals \_\_\_\_\_ quarts.

3. List the factors of 21. \_\_\_\_\_

4.  $\frac{5}{9} + \frac{1}{9} =$

5. If you flip a coin, what is the probability of getting tails? \_\_\_\_\_

6. If you have eight boxes of crayons and ten crayons per box, how many crayons are there in all? \_\_\_\_\_

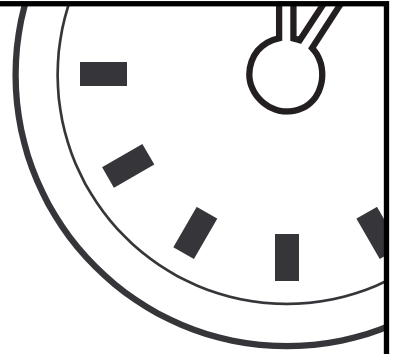
7. What percent does the shaded portion of the box represent? \_\_\_\_\_



8. If  $a = 4$  and  $b = 4$ , then  $ab = a^2$ . Circle: True or False

9. *Huck Finn* has 180 pages. If I have read one quarter of it, how many pages have I read? \_\_\_\_\_

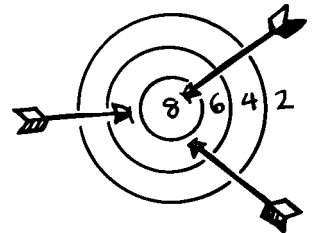
10. Twenty percent is equal to what decimal? \_\_\_\_\_

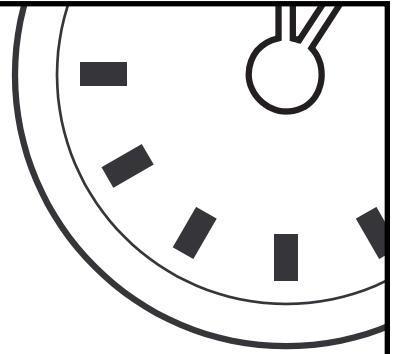


# MINUTE 93

NAME \_\_\_\_\_

1. Circle the greater number:  $\frac{4}{7}$  or  $\frac{6}{10}$
2.  $\frac{1}{5} + \frac{1}{5} =$
3. Circle the answer that is equivalent to 30%:  
a.  $\frac{3}{100}$     b.  $\frac{3}{10}$     c.  $\frac{3}{5}$     d.  $\frac{1}{3}$
4. The Least Common Denominator of  $\frac{1}{2}$  and  $\frac{1}{8}$  is \_\_\_\_\_.
5. If  $a = \frac{1}{2}$  and  $b = 10$ , then  $ab =$
6.  $42.381 \times 10^2 =$
7. Round 12,320 to the nearest hundred. \_\_\_\_\_
8. What is the difference between 8 and 14? \_\_\_\_\_
9. What score is shown on the dartboard? \_\_\_\_\_
10. Simplify:  $\frac{4}{20} =$





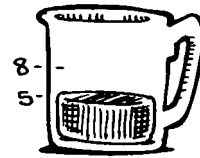
# MINUTE 94

NAME \_\_\_\_\_

1. The Least Common Denominator of  $\frac{1}{4}$  and  $\frac{2}{5}$  is \_\_\_\_\_.

2. A single scoop of ice cream costs \$1.58. A double scoop costs \$1.80. How much more is the double scoop? \_\_\_\_\_

3. How much more liquid is needed to reach the 8 level? \_\_\_\_\_



4. List two ways you can make \$2.50 in change.  
\_\_\_\_\_  
\_\_\_\_\_

5. The absolute value of  $-22$  is \_\_\_\_\_.

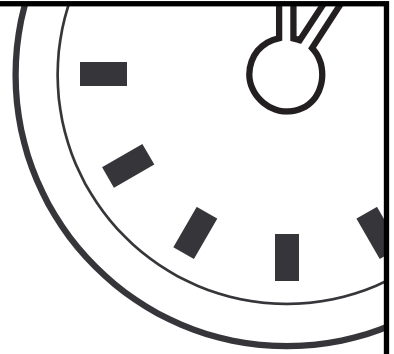
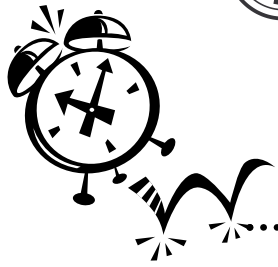
6. 1 kilometer = \_\_\_\_\_ meters

7. Circle the greater number:  $2^8$  or  $8^2$

8. 4 weeks = \_\_\_\_\_ days

9. Circle the composite numbers:      4   5   8   9   11

10. Reduce:  $\frac{4}{24} =$

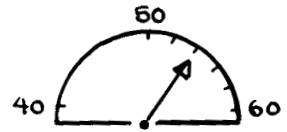


# MINUTE 95

NAME \_\_\_\_\_

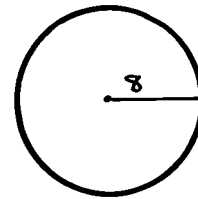
1. If  $3(4 + 2) = 2 \cdot 5 + ?$ , then  $? =$

2. What speed is shown on the speedometer? \_\_\_\_\_



3. The sum of 8 and 14 is \_\_\_\_\_.

4. What is the diameter of the circle? \_\_\_\_\_



5.  $1^{17} =$

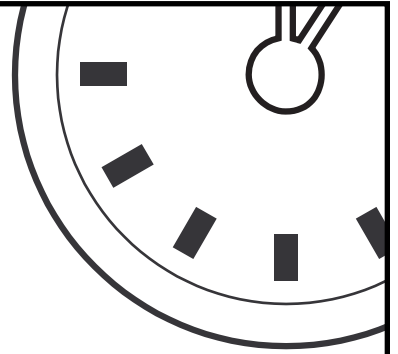
6. Write  $\frac{13}{5}$  as a mixed number. \_\_\_\_\_

7. What is the largest multiple of 5 that is less than 24? \_\_\_\_\_

8.  $200 \div 100 =$

9. If  $3(1 + m) = 15$ , then  $m =$

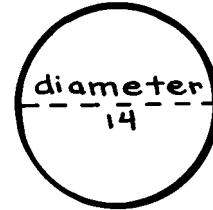
10. An octagon has \_\_\_\_\_ sides.



# MINUTE 96

NAME \_\_\_\_\_

1. What is the radius of the circle? \_\_\_\_\_



2.  $10^8$  is the same as 1 followed by \_\_\_\_\_ zeros.

3. If  $10,000 = 10^k$ , then  $k =$  \_\_\_\_\_

4. 1, 7, 13, 19, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

5.  $\frac{2}{3} \times 1\frac{1}{2} =$  \_\_\_\_\_

6. If  $s \overline{)15}$ , then  $s =$  \_\_\_\_\_

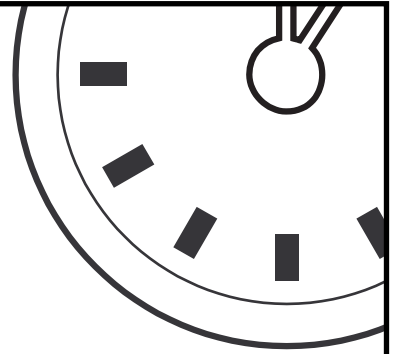
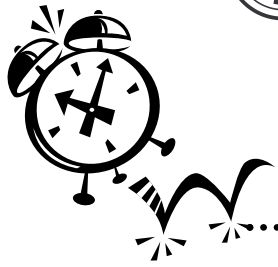
Use  $<$ ,  $>$ , or  $=$  to complete questions 7–10.

7. 5 weeks \_\_\_\_\_ 1 month

8. 3 feet \_\_\_\_\_ 1 yard

9.  $\frac{1}{2}$  \_\_\_\_\_  $\frac{1}{3}$

10.  $3\frac{1}{2}$  \_\_\_\_\_  $\frac{7}{2}$



# MINUTE 97

NAME \_\_\_\_\_

1.  $(3 \times 1,000) + (2 \times 100) + (5 \times 10) =$

2. If  $\frac{3}{4} = \frac{j}{8}$ , then  $j =$

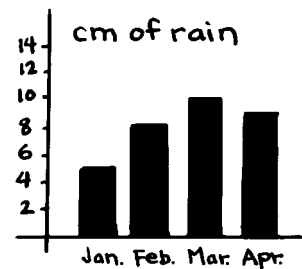
3.  $3 + 4 \cdot 6 =$

4. If  $ab = 20$  and  $a = 4$ , then  $b =$

5. Write  $3\frac{1}{3}$  as an improper fraction. \_\_\_\_\_

6. How many centimeters of rain were there in March? \_\_\_\_\_

7.  $\frac{32}{(4 \times 2)} \times 4 =$

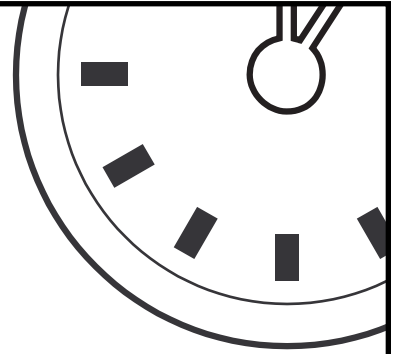


8. Ten centuries equal \_\_\_\_\_ years.

9. Circle the prime numbers: 2 3 8 11 13

10. If  $a = 8$ , then  $a^2 =$



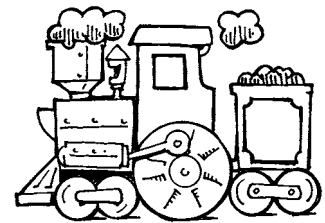


# MINUTE 98

NAME \_\_\_\_\_

1.  $(5 \times 1,000) + (6 \times 10) =$

2. If the train left at 5:48 p.m. and arrived at 6:20 p.m.,  
how long was the trip? \_\_\_\_\_



3. How many wheels are on the train shown in question 2? \_\_\_\_\_  
(Remember to count both sides.)

4. Circle the numerator:  $\frac{3}{8}$

5. What is the mean of 3, 7, 17? \_\_\_\_\_

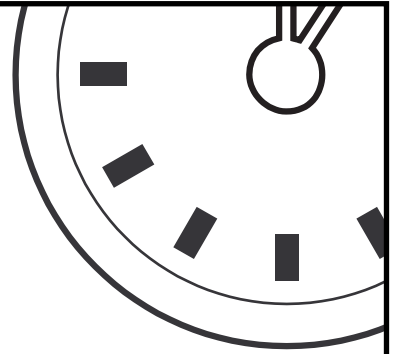
6.  $\frac{1}{5} =$  \_\_\_\_\_ %

7.  $\sqrt{49} =$

8. If  $\frac{?}{1000} = 0.019$ , then ? =

9.  $\frac{1}{2} \cdot 12 =$

10. 48 inches = \_\_\_\_\_ feet



# MINUTE 99

NAME \_\_\_\_\_

1.  $\frac{1}{3} \times \frac{2}{5} =$

2.  $\left(\frac{1}{2}\right)\left(\frac{1}{4}\right) =$

3. If  $a = 2$  and  $b = 4$ , then  $\frac{a}{b} =$

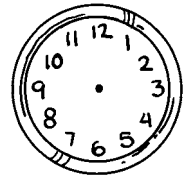
4. Write  $5\frac{1}{2}$  as an improper fraction. \_\_\_\_\_

5.  $0.3 + 0.4 =$

6. Circle the greater number:  $\frac{3}{4}$  or  $\frac{3}{5}$

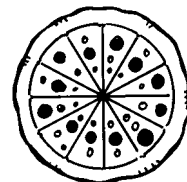
7. Write  $\frac{1}{2}$  as a decimal. \_\_\_\_\_

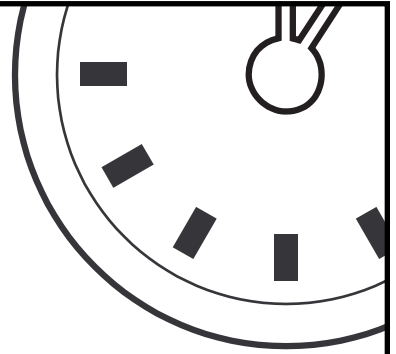
8. When the time is 8:10, the minute hand is on the \_\_\_\_\_.



9.  $\frac{43}{100} \times 100 =$

10. If three people are sharing this pizza, how many pieces will each person get? \_\_\_\_\_





# MINUTE 100

NAME \_\_\_\_\_

1. Circle the answer that shows about how long your bed is:  
a. 2 centimeters    b. 6 centimeters    c. 1 meter    d. 2 meters
  
2.  $1\frac{1}{2}$  hours = \_\_\_\_\_ minutes
  
3.  $(-4) + (-7) =$
  
4. 16, 14, 12, 10, 8, 4, 2                      What number is missing? \_\_\_\_\_
  
5. Circle the greater number: 0.005 or 0.5
  
6. 32 ounces = \_\_\_\_\_ pounds
  
7. 14 is how many more than a dozen? \_\_\_\_\_
  
8. The product of eight and one is more than the sum of these two numbers.  
Circle: True or False
  
9. Circle the answer that shows which letter has 1 line of symmetry:  
a. O    b. R    c. E    d. S
  
10. What does 3 to the second power equal? \_\_\_\_\_