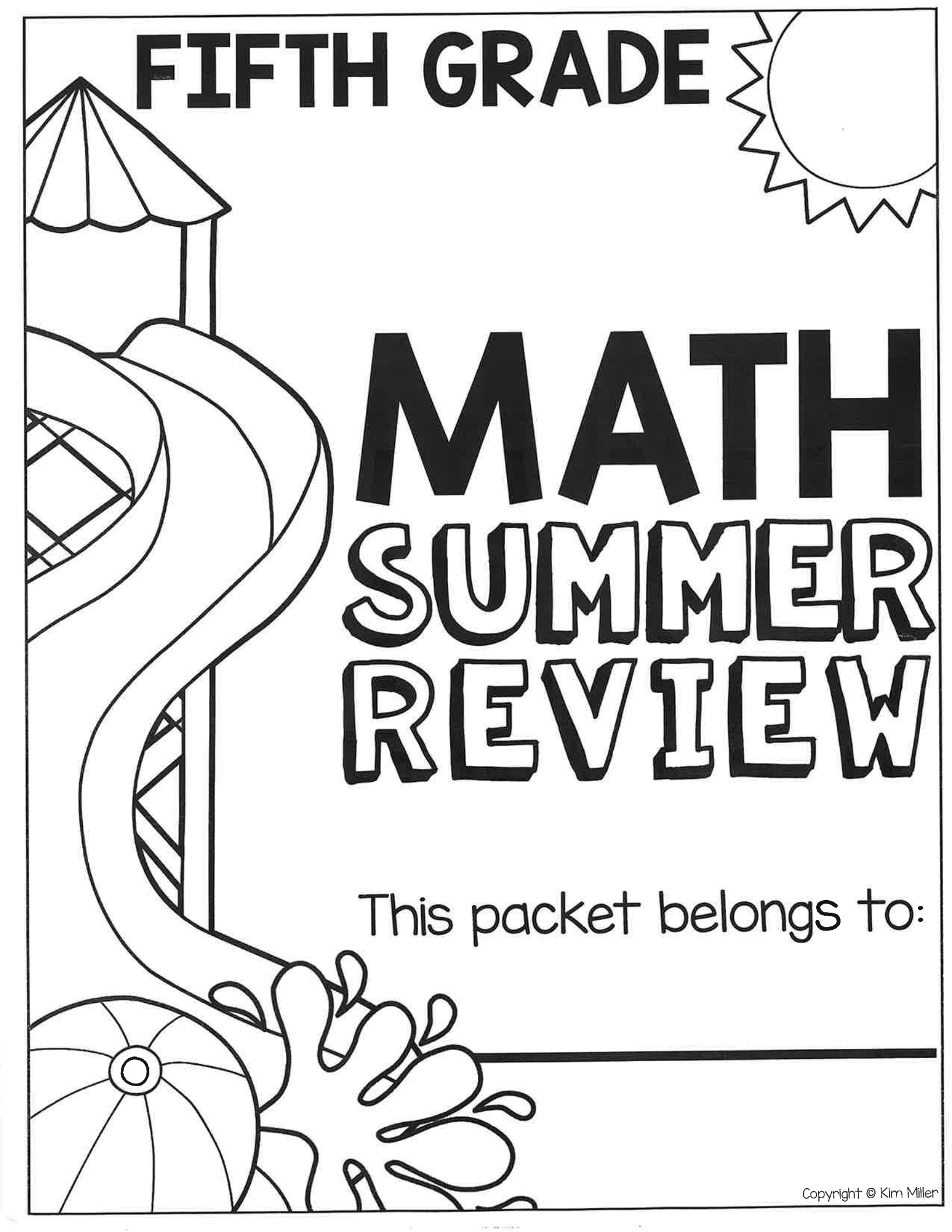




FIFTH GRADE

MATH SUMMER REVIEW

This packet belongs to:

Name _____ Date _____

FIND THE VALUE



1 In the number
1,097,651

which digit is in the
thousands place?

- A. 9
- B. 5
- C. 7
- D. 1

4 Which number
represents

12 and $\frac{9}{100}$

- A. 129
- B. 120.09
- C. 129.0
- D. 12.09

7 Which number is one
thousandth less than

4,651.325

- A. 3,651.325
- B. 4,651.225
- C. 4,551.325
- D. 4,651.324

2 In the number
107.6532

which digit is in the
hundredths place?

- A. 5
- B. 6
- C. 3
- D. 1

5 In the number
73,962,150

what is the value of the
digit 7?

- A. 70 thousand
- B. 7 million
- C. 70 million
- D. 700 thousand

8 Which of the following
numbers is greater than

5.605

- A. 5.613
- B. .5608
- C. 5.508
- D. .5606

3 Which number is
equivalent to

$\frac{6}{10}$

- A. .060
- B. .600
- C. 6.0
- D. 0.006

6 What is the value of the
digit 8 in the number

675.082

- A. 8 hundredths
- B. 8 hundred
- C. 8 thousandths
- D. 8 tenths

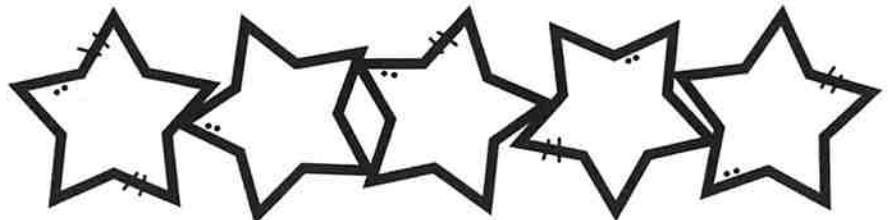
9 Which of the following
numbers is less than

7.65

- A. 7.650
- B. 76.4
- C. 7.56
- D. 7.70

10 Which statement is true?

- A. $7.5 = 75$
- B. $75 = .750$
- C. $7.5 = 7.500$
- D. $.75 = 75.00$



Name _____ Date _____

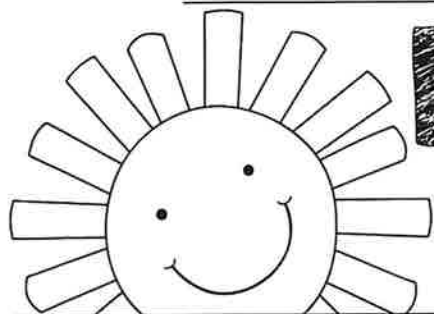
MULTIPLY & Divide

POWERS of Ten



1. Solve the equation: $6 \times 10^4 = \underline{\hspace{2cm}}$ A. 240 B. 24,000 C. 6,000 D. 60,000	2. What is the quotient of 10^5 divided by 100? A. 500 B. 1,000 C. 10,000 D. 5,000	3. Jake's road trip was 2×10^3 miles to his destination. How many miles did Jake travel? A. 20 miles B. 200 miles C. 2,000 miles D. 20,000 miles	4. Solve the equation: $0.89 \times \underline{\hspace{2cm}} = 890$ A. 10^3 B. 10^2 C. 100 D. 10^4
5. Mike calculates the weight of his truck to be 3.2×10^6 grams. What is the weight of his truck? A. 3,200 grams B. 3,200 kilograms C. 320 kilograms D. 32,000 grams	6. The answer to Katie's math problem is .0000037. How can Katie simplify her answer? A. 3.7×10^6 B. $3.7 \times 10^{0.00001}$ C. $3.7 \div 6,000$ D. $3.7 \div 10^6$	7. The number 3,520 is _____ times greater than 0.352 A. 10^4 B. 10^3 C. 100 D. 10^5	8. Which of the following is 10^6 greater than .00009? A. 9 B. .90 C. 90 D. 9.00
9. Fill in the missing number: $\underline{\hspace{2cm}} \times 2,532 = 2,532,000,000$ A. 1,000 B. 10,000 C. 10^4 D. 10^6	10. Fill in the missing number: $\underline{\hspace{2cm}} \div 10^4 = 7.3$ A. 730,000 B. 73,000 C. 730 D. 7,300	11. Astronomers calculate a star to be 5×10^5 light years away. How far away is the star? A. 50,000 light yrs. B. 5,000 light yrs. C. 500,000 light yrs. D. 500 light yrs.	12. A scientist finds the weight of a substance to be $3.5 \div 10^3$ grams. What is the weight? A. 35 grams B. 3.5 kilograms C. 0.0035 grams D. 0.35 milligrams

Name _____ Date _____



READ & WRITE DECIMALS

1. How is the number 0.43 read? A. forty-three hundredths B. forty-three C. forty-three tenths D. decimal forty-three	2. How is the number seventy-five thousandths written? A. 75,000 B. .750 C. 75.000 D. .075	3. Which of the following fractions represents the number .35? A. $\frac{3}{5}$ B. $\frac{35}{100}$ C. $\frac{0}{35}$ D. $\frac{10}{35}$
4. Which of the following shows the fraction $\frac{89}{100}$ in decimal form. A. 89.000 B. 890.00 C. 0.89 D. 0.089	5. Which of the following numbers is equivalent to $\frac{1}{4}$? A. 0.25 B. 1.4 C. 0.50 D. 0.14	6. How is the number seven and six tenths written? A. 76.0 B. 0.76 C. 7.6 D. 0.076
7. What is the correct expanded form of the number 0.63? A. $6 \times (1/10) + 3 \times (1/100)$ B. 63×100 C. $(6 \div 10) + (3 \div 10)$ D. $(6 \times 10) + (3 \times 100)$	8. How is the expanded form of the following number written as a decimal? $7 \times (1/10) + 8 \times (1/100) + 3 \times (1/1000)$ A. 78.3 B. 18.000 C. .0018 D. 0.783	9. Which of the following numbers has a 3 in the hundredths place and a 4 in the tenths place? A. 3.4 B. 300.4 C. 430 D. 0.43
10. Which of the following is the correct way to read the number 20.032? A. twenty decimal thirty-two B. twenty and thirty-two thousandths C. twenty point thirty-two D. twenty thirty-two	11. Which of the following numbers is equivalent to $\frac{3}{4}$? A. 0.34 B. 3.4 C. 7.5 D. 0.75	12. How is the number 0.67 read? A. sixty-seven B. decimal sixty-seven C. sixty-seven hundredths D. sixty-seven tenths

Name _____ Date _____



COMPARING & Ordering Decimals



1. Which of the following numbers is the greatest? A. 3.25 B. 0.523 C. 32.5 D. 0.325	2. Which of the following numbers is the least? A. 0.125 B. 0.521 C. 0.215 D. 0.115	3. Which of the following numbers is greater than seventy five thousandths? A. 0.09 B. 0.074 C. 0.0750 D. 0.069
4. Which of the following numbers is less than four hundredths? A. 0.51 B. 0.040 C. 0.401 D. 0.039	5. Which answer shows the numbers in order from least to greatest? A. 3.102, 3.012, 3.210, 30.12 B. 3.012, 3.102, 3.210, 30.12 C. 30.12, 3.210, 3.102, 3.012 D. 3.210, 30.12, 3.102, 3.012	6. Which answer shows the numbers in order from greatest to least? A. 1.012, 1.02, 1.20, 1.22 B. 1.02, 1.20, 1.22, 1.012 C. 1.22, 1.20, 1.02, 1.012 D. 1.012, 1.22, 1.20, 1.02
7. Which of the following statements is false? A. $0.12 > 0.122$ B. $2.1 > 0.21$ C. $21.2 < 212.000$ D. $2.23 < 2.29$	8. Which of the following answer choices completes the number sentence below? 3.238, 3.239, _____ A. 3.2390 B. 3.241 C. 32.40 D. 3.24	9. Which of the following statements is true? A. $38.9 < 3.89$ B. $3.89 = 3.890$ C. $0.389 > 0.398$ D. $37.9 < 3.79$

Name _____ Date _____

MULTIPLYING Whole Numbers



1 Mr. Perino plants 15 rows of tomato plants. If there are 32 tomato plants in each row, how many plants will he have altogether?

2 Laura baked 8 pans of brownies. Two of the pans held 15 brownies each and six of the pans held 18 brownies each. How many brownies did Laura bake in all?

3 A store sells 108 different colors of yarn. They have 22 rolls of each color in stock. How many rolls of yarn does the store have in stock?

4 Solve the following problem.

$$\begin{array}{r} 398 \\ \times 102 \\ \hline \end{array}$$

5 Solve the following problem.

$$\begin{array}{r} 448 \\ \times 36 \\ \hline \end{array}$$

6 Solve the following problem.

$$\begin{array}{r} 140 \\ \times 286 \\ \hline \end{array}$$

7. 323×28 _____

10. 297×661 _____

8. 645×92 _____

11. 698×231 _____

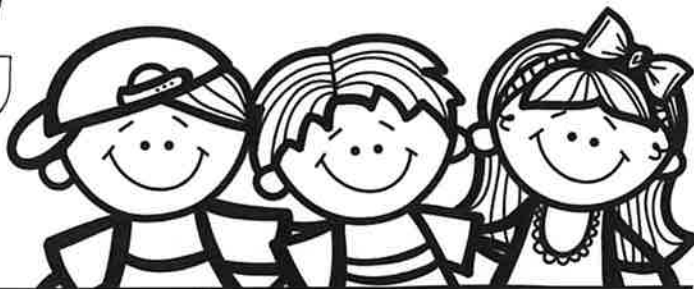
9. 282×77 _____

12. 901×257 _____

Name _____ Date _____

DIVIDING

Whole Numbers



1. Kasey picked 540 blueberries to sell at the Farmer's Market. She sorts her blueberries evenly into 9 small baskets. How many blueberries will she put in each basket? _____	2. The fifth-grade class took a field trip to a local theater. There were 168 students. The theater had 14 seats in each row. How many rows did they use? _____	3. Mrs. Smith is putting 100 apples into crates. Each crate will hold 12 apples. How many apples will be left over after filling each crate? _____
4. Find the missing divisor. 264 ÷ _____ = 12	5. Which of the following statements is true? A. $34 \div 0 = 34$ B. $34 \div 0 = 1$ C. $34 \div 0 = 0$ D. $34 \div 0$ cannot be solved	6. What is the quotient? 7,560 ÷ 15 = _____
7. What is 890,000 divided by 100? A. 890 B. 89,000 C. 89.0 D. 8,900	8. Solve the division problem. 6 $\overline{)812}$	9. Mrs. Crenshaw's class sold 442 tickets to a spaghetti dinner fundraiser. Each student sold the same number of tickets. If there are 26 students in the class, how many tickets did each student sell? _____
10. $372 \times 34 = 12,648$ Write a related division equation using 12,648, 372, and 34. 12,648 ÷ _____ = _____	11. Westmore School has 576 students. The school buses hold 48 students. Every student rides a bus to and from school. How many buses do they need? _____	12. Which of the following statements is true? A. $25 \div 1 = 0$ B. $25 \div 1 = 1$ C. $25 \div 1 = 25$ D. $25 \div 1$ cannot be solved

Name _____ Date _____



MORE WORK WITH DECIMALS

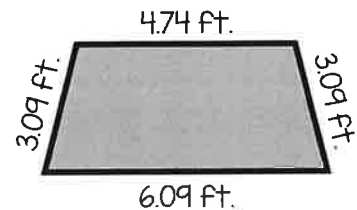


1. Find the difference.

$$74.26 - 64.1 =$$

2. At a swim meet, three members of the swim team raced across the pool. Their times were 10.08 seconds, 9.57 seconds, and 9.89 seconds. What was the total of their three times?

3. Find the perimeter of the trapezoid.



4. Beginning with the number 3.675 add: 1 hundredths, 2 ones, and 3 tenths. What is the result?

- A. 5.995
B. 5.985
C. 6.985
D. 6.895

5. Find the difference.

$$6.94 - 3.69 =$$

6. A small pack of gum costs \$0.98. How could you find the cost of 6 packs?
-
- (Circle all correct answers)

Add \$0.98 six times

Subtract \$0.98 - 6

Multiply \$0.98 by six

Divide \$0.98 by six

7. Find the product.

$$0.75 \times 2.5 =$$

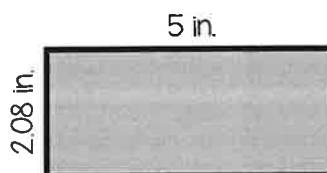
8. The temperature in Ben's house was 72.0 degrees Fahrenheit. The temperature in Ben's car on a hot summer day was 102.2 degrees. How much hotter was Ben's car than his house?

9. Find the quotient.

$$0.51 \div 3 =$$

10. A recipe for brownies requires 1.75 cups of milk, 0.25 cups of oil, and 0.75 cups of water. How much liquid does the brownie recipe require?

11. Find the area of the rectangle.



12. Beginning with the number 85.720 add: 2 hundredths, 1 tenth, and 3 ones. What is the result?

- A. 87.823
B. 86.923
C. 88.840
D. 87.930

Name _____ Date _____



Order of OPERATIONS

1. Choose the correct order of operations.

- A. multiply & divide from right to left
- B. divide & multiply from right to left
- C. multiply & divide from left to right

2. Choose the correct order of operations.

- A. add & subtract from left to right
- B. subtract & add from right to left
- C. add & subtract from right to left

3. What is the first step in the order of operations?

- A. division and multiplication
- B. parentheses and brackets
- C. addition and subtraction

4. What is the last step in the order of operations?

- A. addition and subtraction
- B. division and multiplication
- C. parentheses and brackets

5. What is the first step in solving the expression below?

$$18 \div (6 - 2) + 4$$

- A. $18 \div 6$
- B. $6 - 2$
- C. $18 + 4$

6. What is the last step in solving the expression below?

$$3 \times [(4 \times 5) - 5]$$

- A. $9 - 5$
- B. 4×5
- C. 3×15

7. Solve the expression.

$$7 + (5 + 2) = \underline{\hspace{2cm}}$$

8. Solve the expression.

$$24 - (3 \times 2) + 2 = \underline{\hspace{2cm}}$$

9. Solve the expression.

$$[(50 \times 2) - 10] \div 5 = \underline{\hspace{2cm}}$$

10. Solve the expression.

$$9 \times (8 - 6) \div 2 = \underline{\hspace{2cm}}$$

11. Solve the expression.

$$(42 \div 7) - (4 + 5) \times 4 = \underline{\hspace{2cm}}$$

12. Solve the expression.

$$(57 - 25) \div 2 + 16 \times 2 = \underline{\hspace{2cm}}$$

13. Solve the expression.

$$6 \times [(34 - 26) + 3] = \underline{\hspace{2cm}}$$

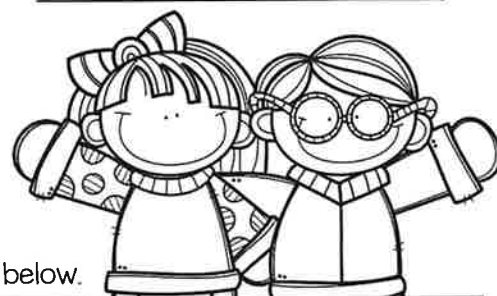
14. Solve the expression.

$$[(14 \div 7) + (66 \div 6)] \div 4 = \underline{\hspace{2cm}}$$

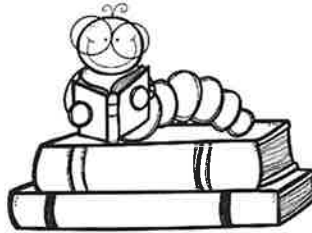
Name _____

Date _____

NUMERICAL Expressions



Directions: Match the numerical expressions with the verbal expressions below.

1. 3 times the sum of 27 and 9 a) $3 + (27 + 9)$ b) $3 \times (27 + 9)$ c) $27 + (3 \times 9)$	2. 6 times the difference between 71 and 41 a) $(71 - 41) \times 6$ b) $6 \times (71 + 41)$ c) $71 - 41 \times 6$	3. Triple the sum of 36 and 15 a) $36 + (3 \times 15)$ b) $3 + (36 \times 15)$ c) $3 \times (36 + 15)$	4. Seven less than the product of 9 and 9. a) $9 \times 9 - 7$ b) $(7 - 9) \times 9$ c) $9 + (7 \times 9)$
5. $8 \times (48 + 20)$ a) 8 times 48 plus 20 b) sum of 48 and 20 c) 8 times the sum of 48 and 20	6. $(12 - 6) \times 2$ a) double the difference of 12 and 6 b) product of 6 and 2 c) 2 times the sum of 12 and 6	7. $4 + (64 \div 8)$ a) quotient of 64 and 8 plus 4 b) the sum of 4, 64, and 8 c) 4 times the sum of 64 and 8	8. $(45 \div 5) \times 2$ a) double the quotient of 45 and 5 b) 2 times the sum of 45 and 5 c) the quotient of 45 and 5 minus 2
9. 12×60 a) $(10 \times 60) - (2 \times 60)$ b) $(10 \times 60) + (2 \times 60)$ c) $(10 \times 60) \times (2 \times 60)$	10. 59×16 a) $(60 - 1) \times 16$ b) $60 \times (6 \times 10)$ c) $(60 \times 16) - (1 \times 16)$	11. 22×30 a) $(20 \times 30) + (2 \times 30)$ b) $(20 + 30) \times (2 + 30)$ c) $(20 + 30) \times (2 + 30)$	12. 93×12 a) $(90 \times 12) + (3 \times 12)$ b) $12 \times (90 \times 3)$ c) $(90 \div 3) \times 12$
13. Choose the correct sign. $(5 + 5) \times 12$ ____ $5 + 5 \times 12$ a) < b) > c) =		14. Choose the correct sign. 83×15 ____ $(80 \times 15) + (2 \times 15)$ a) < b) > c) =	
15. Kayla has 18 bottles of bubbles. She wants to give 2 bottles to each of her 6 friends. How many bottles will she have left over? Which expression solves the problem? a) $18 - (2 \times 6)$ b) $(2 \times 6) - 18$ c) $(18 \div 2) + 6$ d) $(18 \div 2) \div 6$ 		16. The library has 12 books on each of 4 shelves. Jesse takes away 3 books from two shelves. How many books are left? Which expression solves the problem? a) $(12 \times 4) - (3 \times 2)$ b) $(12 \times 2) - (3 \times 4)$ c) $(12 \times 3) - (4 \times 2)$ d) $(12 \times 4) + (3 \times 2)$ 	

Name _____ Date _____



Add & Subtract FRACTIONS

Read the directions in each box below. Write all answers in simplest form.

1. To add the fractions $\frac{5}{12}$ and $\frac{3}{4}$, what must first be done? a) change the fractions to improper fractions b) reduce the fractions to the lowest terms c) find a common denominator d) make the numerators the same		2. Find the sum. $\frac{1}{2} + \frac{1}{4} =$ _____	3. Find the difference. $\frac{2}{3} - \frac{1}{9} =$ _____
4. Find the sum. $2\frac{1}{8} + 6\frac{1}{2} =$ _____	5. Find the difference. $5\frac{2}{4} - 2\frac{1}{3} =$ _____	6. Find the sum. $\frac{3}{4} + 1\frac{7}{12} =$ _____	7. Find the difference. $3\frac{4}{10} - \frac{2}{5} =$ _____
8. Find the sum of three sixths and nine twelves. _____	9. Find the difference of six eighths and three fourths. _____	10. Find the sum of five and five eighths plus one and one fourth. _____	11. Find the difference of three and two eighths minus two and one fourth. _____
12. Find the missing fraction. $4\frac{1}{4} + \underline{\hspace{1cm}} = 7\frac{1}{2}$		13. Find the missing fraction. $6\frac{3}{4} - \underline{\hspace{1cm}} = 2\frac{1}{4}$	
14. Find the missing fraction. $\underline{\hspace{1cm}} + 8\frac{1}{2} = 10\frac{3}{8}$			

Name _____ Date _____

PROBLEM SOLVING with Fractions!



Simplify all answers if possible.

1. April was making two different cakes. One recipe needed $\frac{7}{9}$ cup of flour and other needed $\frac{5}{9}$ cup of flour. How much flour did she need to make both cakes?
- _____

2. Marcus had $\frac{1}{7}$ of a bag of candy. Nick had $\frac{2}{3}$ of a bag of candy. If the two friends combined their bags of candy how much would they have?
- _____

3. Natalie plans to run 5 miles every week for 3 weeks. The first day of the first week she ran $1\frac{1}{5}$ miles. How many miles does she need to run the rest of the first week?
- _____

4. Four-fifths of the students studied for a math test. Out of the students that studied, $\frac{1}{3}$ did not pass. What fraction of the students that studied passed the test?
- _____

5. A large box of oranges weighed $7\frac{3}{5}$ pounds. A small box of oranges weighed $3\frac{1}{4}$ pounds. What is the difference in weight between the two boxes?
- _____

6. Katie took $1\frac{1}{2}$ liters of water to the pool. When she left the pool, she only had $\frac{7}{8}$ liters of water left. How much water did Katie drink at the pool?
- _____

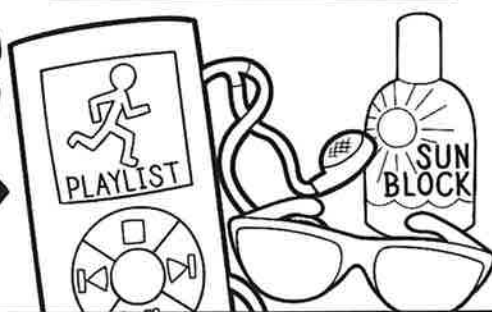
7. Ben had $2\frac{1}{6}$ cups of lemonade. He gave his little sister $\frac{1}{2}$ of the lemonade. How much does Ben have left?
- _____

8. Allison used $\frac{2}{9}$ yards of ribbon to tie around Kim's present. She used $\frac{7}{8}$ yards of ribbon to tie around Lanie's present. How many yards of ribbon did she use in all?
- _____

9. Macie drank $\frac{1}{4}$ quart of milk and Jamie drank $\frac{1}{8}$ of a quart less than Macie. How much milk did they drink all together?
- _____

Name _____ Date _____

INTERPRETING FRACTIONS



1. Five groups at summer camp have a total of 27 boxes of popsicles to share. How many boxes will each group receive?

2. If 16 is divided by 5, what fraction would represent the remainder?

3. Suppose four friends want to share five cookies equally. How many cookies would each friend receive?

4. If there are 90 minutes in a race and 4 teams of runners share this time equally, how many minutes will each team run?

5. Ten soccer teams are sharing 3 boxes of bottled water. How much of a box will each team get?

6. Dan has \$695 in the bank. He wants to take out $\frac{2}{5}$ of his money. How much money should he take out?

7. You have 7 packs of paper to share between you and 3 of your friends. If you share the paper equally, how much paper does each student get?

8. Four friends are taking a road trip. They want to share the driving equally. If the trip takes 6 hours, how long should each friend drive?

9. If 9 people want to share a 50-pound box of apples equally by weight, how many pounds of apples should each person get?

Name _____ Date _____

MULTIPLYING FRACTIONS



Simplify all answers if possible.

1. Multiply

$$\frac{4}{5} \times \frac{2}{4} =$$

2. Multiply

$$5\frac{3}{4} \times \frac{1}{3} =$$

3. Multiply

$$\frac{5}{6} \times 7 =$$

4. Multiply

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

5. Mr. Farmer needs $\frac{5}{5}$ of a box of nails to build one door for his horse stables. He needs to build 7 doors. How many boxes of nails will he use?

6. Marcy bought 8 boxes of pencils. Each box contained 10 pencils. $\frac{4}{5}$ of the pencils were red. How many red pencils were in the boxes?

7. Ricky earns $\frac{2}{3}$ of a dollar for every candy bar he sells. If he sells 30 candy bars, how much will he earn?

8. Callie uses $\frac{2}{4}$ of a tsp. of sugar for each cup of punch she makes. If she makes 10 cups of punch for a party, how many teaspoons of sugar will she need?

9. The Eiffel Tower in Paris, France is 1,063 feet tall. If you took an elevator $\frac{3}{4}$ the way up the tower, how far from the ground would you be in feet?

10. Evan and his family order 5 cups of soup at a restaurant. The cook used $\frac{1}{4}$ cup of milk for each bowl. How many cups of milk did the cook use to make all 5 bowls of soup?

Name _____ Date _____

Multiplication AS SCALING



1. Without multiplying, which product will be smaller and why?

A. $5 \times \frac{1}{2}$
B. $5 \times \frac{1}{8}$

2. Without multiplying, which product will be larger and why?

A. $2 \times \frac{5}{5}$
B. $6 \times \frac{4}{5}$

3. Without multiplying, which product will be smaller and why?

A. $9 \times \frac{5}{10}$
B. $9 \times \frac{3}{3}$

4. Without multiplying, which problem will have a product of less than 2?

A. $2 \times \frac{3}{5}$
B. $2 \times \frac{5}{5}$

5. Describe the change that will occur to the 3 in this problem?

$$3 \times \frac{1}{3}$$

- a) It will stay the same.
b) It will double.
c) It will be cut in half.
d) It will triple.

6. The product of the following problem will be....

$$4 \times \frac{7}{8}$$

- a) much greater than 4
b) slightly greater than 4
c) much less than 4
d) slightly less than 4

7. Ashley spent 2 hours at dance practice. Katie spent $\frac{3}{4}$ times as many hours at dance practice as Ashley. Did Katie spend more than, less than or equal to 2 hours at dance practice.

8. Jess runs $\frac{9}{5}$ of a mile each day. Gigi runs $1\frac{2}{3}$ each day. After a week, who will have run more than 8 miles?

9. Michelle is making a sign for her sister's birthday. The sign says "HAPPY BIRTHDAY" in all capital letters. If each letter is $\frac{4}{5}$ inches long estimate the length needed to spell out "HAPPY BIRTHDAY." Don't forget to add $\frac{2}{5}$ for the space between the two words!

Name _____ Date _____

Real World PROBLEM SOLVING

Simplify all answers if possible.

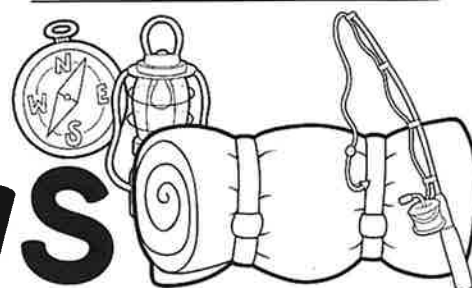


- | | | |
|--|---|--|
| 1. Ellie has $\frac{2}{8}$ pound of cheese. She used $\frac{1}{2}$ of the cheese to make tacos. Since there are 16 ounces in one pound, how many ounces of cheese does Ellie use to make tacos? | 2. There are $3\frac{1}{2}$ groups of students ready to load buses for a field trip. Each group will fill one bus. $\frac{2}{5}$ of the students on each bus are boys. How many buses would it take to carry only the boys? | 3. Mark is going to a pool party. It is $2\frac{3}{4}$ miles from his house. Mark decides to ride his bicycle, but he has a flat tire $\frac{2}{3}$ of the way there. How far is Mark from his house? |
| 4. Ansley meets her friends at the movie theater. They had already purchased a bucket of popcorn, and there is only $\frac{3}{4}$ left. Ansley eats $\frac{1}{3}$ of the remaining popcorn. How much of the bucket did Ansley eat? | 5. Jamie bought 6 pool floats to use during the summer. $\frac{2}{3}$ of the floats were yellow. How many yellow floats did he buy? | 6. Mrs. Jones purchases $\frac{2}{3}$ of a pound of cookies for her class. If the cookies are \$6.00 per pound, how much did she pay for the cookies? |
| 7. The school band has 24 members. If $\frac{1}{8}$ of them play the drums how many members of the band play the drums? | 8. Callie spent $1\frac{1}{2}$ hours outside with her sister. They spent half of that time jumping on their trampoline. How long did they jump on the trampoline? | 9. Tanya determined that the dimensions of a painted barn quilt needed to be $1\frac{1}{3}$ ft. by $2\frac{1}{4}$ ft. What will be the area of the barn quilt? |
| 10. Mrs. Smith's oatmeal cookie recipe calls for $\frac{2}{5}$ of a cup of sugar. How much sugar would she need to make $\frac{1}{2}$ of a batch of cookies? | 11. At the park, 6 boys are practicing throwing, catching, and hitting a baseball. Of those 6 boys, $\frac{2}{3}$ of them are working on hitting. How many boys are practicing hitting the ball. | 12. Rachel works at a lemonade stand at the park. On Monday she used $1\frac{2}{5}$ bags of lemons. On Tuesday she used $1\frac{1}{4}$ times as many lemons as on Monday. How many bags of lemons did Rachel use on Tuesday? |

Name _____ Date _____



DIVIDING FRACTIONS



1. When dividing fractions and whole numbers, you must first...
 - A. change the improper fraction to a mixed number.
 - B. write the whole number as a fraction with a denominator of 1.
 - C. divide numerator and denominator by the whole number
2. Dividing a whole number by a fraction less than 1 whole results in a quotient that is _____ the original number.
 - A. less than
 - B. greater than
 - C. equal to

Divide. Write each quotient in simplest form.

3. $6 \div \frac{4}{9} =$	10. Katie and Ellie split $\frac{1}{4}$ of a chocolate cake. How much of the chocolate cake will each girl get?	11. Ben took $3\frac{1}{2}$ cups of marshmallows to share with 7 friends while camping. How many cups of marshmallows does each friend get?
4. $\frac{3}{5} \div 4 =$	12. Rick has 5 pieces of wood from a tree that he cut down for firewood. If he cuts each piece into fifths how many pieces of wood will he have to build a fire?	13. Ten watermelons weigh $16\frac{1}{2}$ pounds. What is the average weight of each watermelon?
5. $10 \div \frac{2}{3} =$	14. Danny made 7 cups of hot chocolate for his family. His hot water pot only holds $3\frac{1}{2}$ cups at a time. How many pots of hot water will he need to make to serve his family hot chocolate?	15. Mr. Benson has a rope that is 2 feet long. He needs to cut his rope into $\frac{1}{4}$ foot sections. How many pieces of rope will he have after he cuts it?
6. $\frac{2}{7} \div 3 =$		
7. $2 \div \frac{1}{2} =$		
8. $\frac{5}{6} \div 5 =$		
9. $8 \div \frac{4}{5} =$		

Name _____ Date _____

ANALYZING PATTERNS



1. Complete the function table.

Rule $\times 3$

Input	Output
1	
2	
5	15
8	
12	

2. Complete the function table.

Rule $+4, \div 2$

Input	Output
2	
6	5
10	
24	
42	

3. Find the rule.

Rule: _____

Input	Output
11	2
16	3
26	5
46	9
61	12

4. Find the rule.

Rule: _____

Input	Output
8	30
10	38
16	62
22	86
50	198

5. Write an equation to show the relationship between the input and output.

Equation: _____

Input (r)	Output (s)
11	2
16	3
26	5
46	9
61	12

6. Write an equation to show the relationship between the input and output.

Equation: _____

Input (o)	Output (s)
2	3
6	5
10	7
24	14
42	23

7. Write an equation to show the relationship between the input and output.

Equation: _____

Input (g)	Output (h)
80	8
40	4
100	10
90	9
50	5

8. Write an equation to show the relationship between the input and output.

Equation: _____

Input (l)	Output (m)
18	6
6	2
27	9
21	7
15	5

9. Which coordinate pair would be plotted on the same line as the coordinates in the table?

x	0	3	6	9
y	2	8	14	20

- a) 5, 12 c) 10, 23
b) 2, 4 d) 7, 18

10. Which coordinate pair would be plotted on the same line as the coordinates in the table?

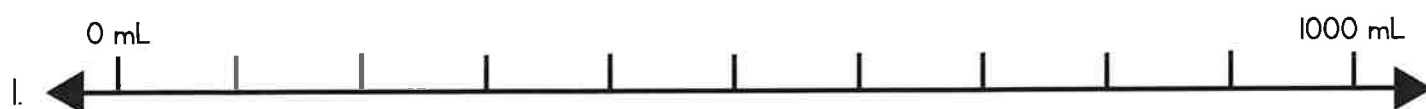
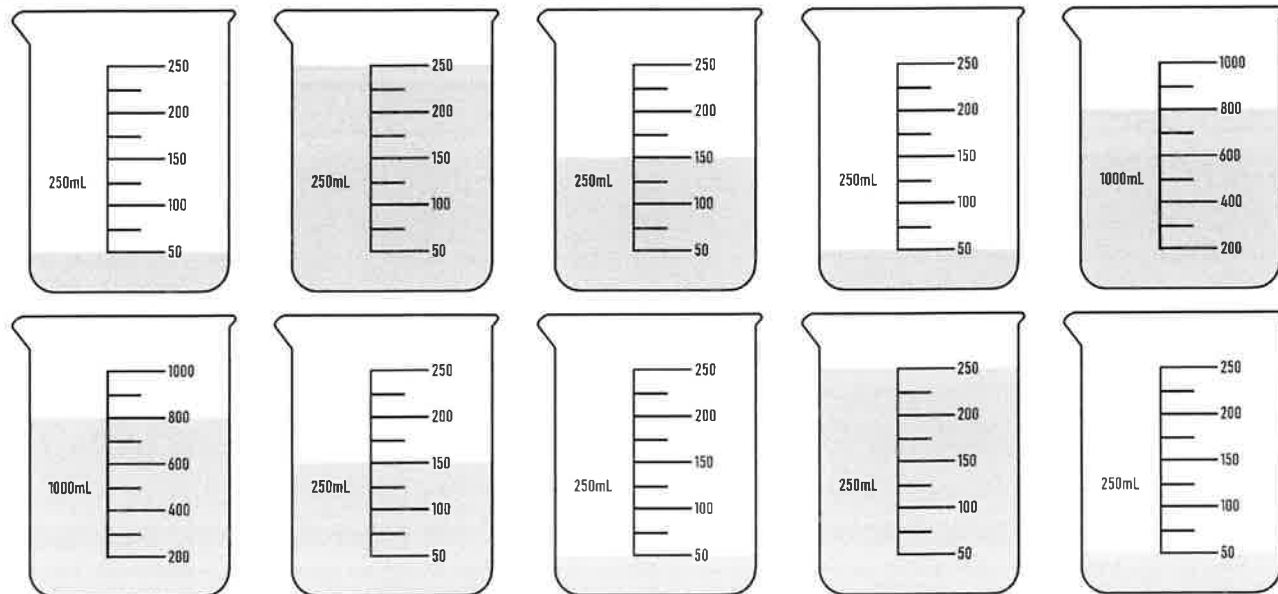
x	1	5	9	13
y	1	3	5	7

- a) 10, 6 c) 6, 3
b) 4, 3 d) 7, 4

Name _____ Date _____

INTERPRETING DATA

Place the liquid measurements in the beakers on the line plot. Use the line plot to answer the questions.



2. How many beakers hold at least 500 mL? What fraction of the set is that?

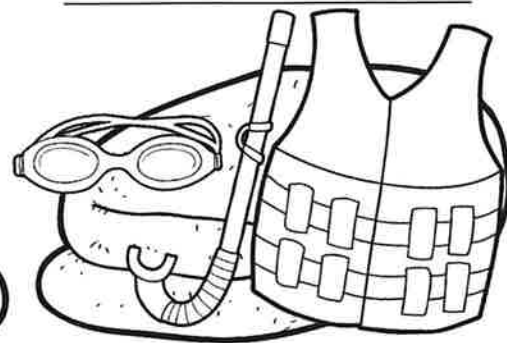
3. How much liquid does the set contain in all?

4. This set of beakers is a sample of a larger set. If the original set was 10 times larger, how much liquid did the original set contain?

5. If the original set was 5 times larger, how much liquid did the original set contain?

Name _____ Date _____

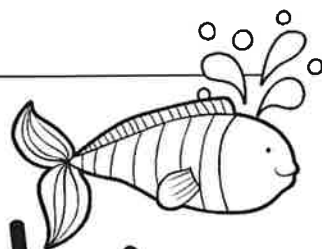
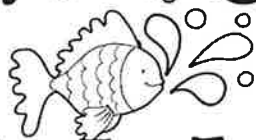
VOLUME & CUBIC UNITS



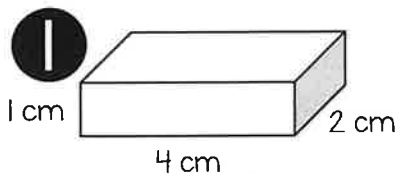
1. The volume of an object is the amount of...
 - A. space it occupies.
 - B. weight it can hold.
 - C. layers you can put in it.
 - D. dimensions it has.
2. Which type of unit might be used to record the volume of a rectangular prism?
 - A. inches
 - B. square inches
 - C. cubic inches
 - D. ounces
3. Which could be used to fill about 1,500 cubes if each cube is one cubic centimeter?
 - A. a cereal box
 - B. a ring box
 - C. a toy box
 - D. a refrigerator
4. Bobby needs to pack a box that measured 4 ft. by 2 ft. by 3 ft. with 1 foot cubes. How many 1 foot cubes can he fit into the box?
 - A. 9
 - B. 12
 - C. 24
 - D. 48
5. Which of these could possibly be the volume of a cereal box?
 - A. 360 square inches
 - B. 400 cubic feet
 - C. 520 square centimeters
 - D. 220 cubic inches
6. Which of these is an accurate way to measure the volume of a rectangular prism on paper?
 - A. Measure the length and width only, then find the area of the base.
 - B. Add the length, width, and height to find the total inside space.
 - C. Measure the edges and multiply only two of the dimensions.
 - D. Measure the length, width, and height, then use the formula $V=l \times w \times h$.
7. A container measures 4 in. wide by 6 in. long by 10 in. high. How many 1 inch cubes will it hold?
 - A. 240
 - B. 20
 - C. 240^2
 - D. 20^2
8. Lanie covers the bottom of a box with 6 one centimeter cubes, leaving no gaps or spaces. If the volume of the box is 30 cm^3 how many more centimeter cubes will she be able to fit inside the box?
 - A. 4
 - B. 5
 - C. 24
 - D. 180
9. A solid figure which can be packed without gaps or overlaps using n unit cubes is said to have...
 - A. a volume of n cubic units
 - B. one cubic unit
 - C. a measure of volume
 - D. a length of 1 unit

Name _____ Date _____

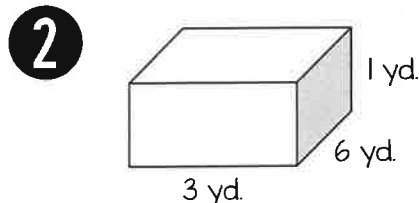
VOLUME Problem Solving



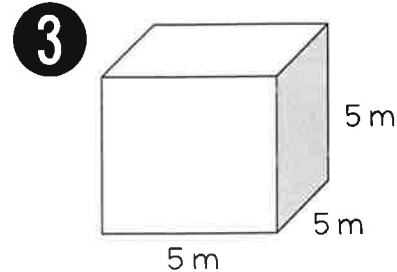
Volume tells the number of cubic units within a solid figure. To find the volume of a rectangular prism, multiply the length by the width by the height ($V = l \times w \times h$).



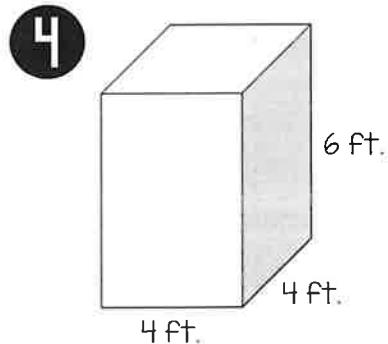
$$V = \underline{\hspace{2cm}} \text{ cm}^3$$



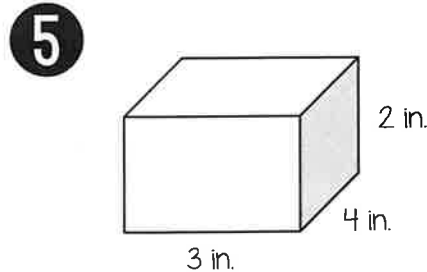
$$V = \underline{\hspace{2cm}} \text{ yd}^3$$



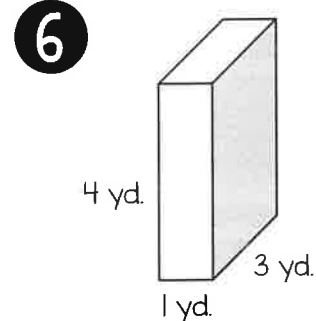
$$V = \underline{\hspace{2cm}} \text{ m}^3$$



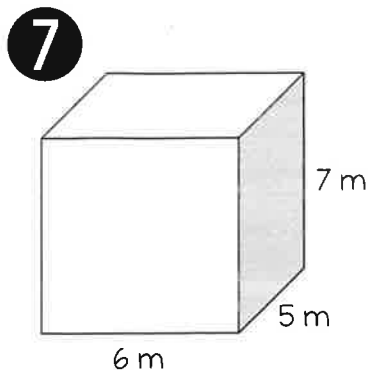
$$V = \underline{\hspace{2cm}} \text{ ft}^3$$



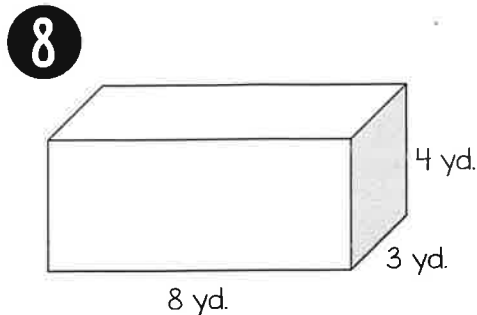
$$V = \underline{\hspace{2cm}} \text{ in}^3$$



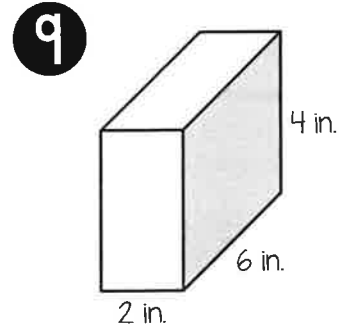
$$V = \underline{\hspace{2cm}} \text{ yd}^3$$



$$V = \underline{\hspace{2cm}} \text{ m}^3$$



$$V = \underline{\hspace{2cm}} \text{ yd}^3$$



$$V = \underline{\hspace{2cm}} \text{ in}^3$$

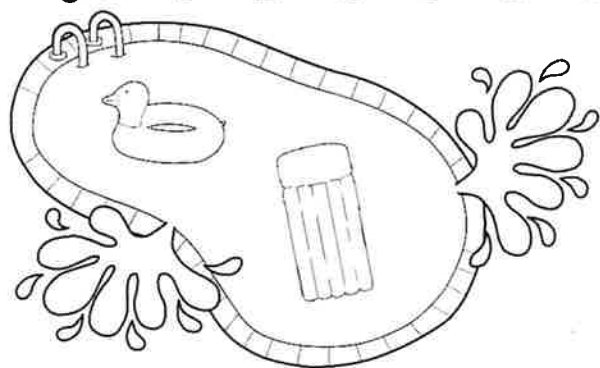
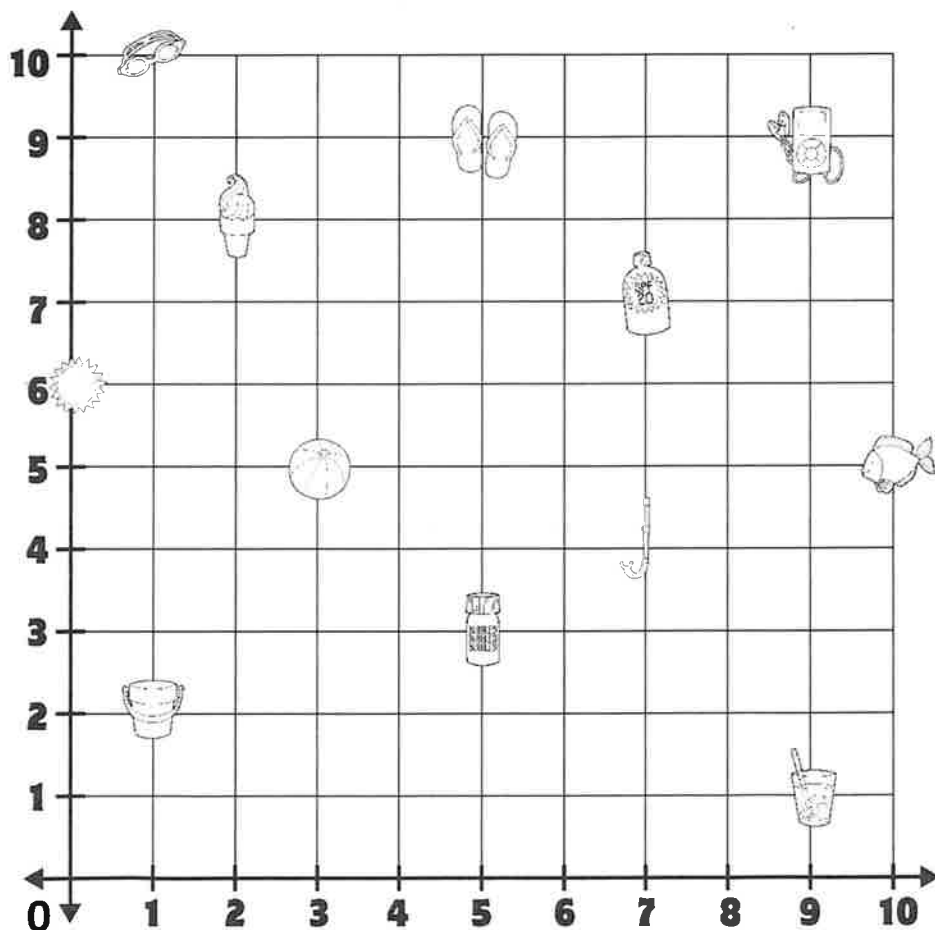
Name _____ Date _____

COORDINATE



An ordered pair can be used to locate a point on a grid or coordinate graph. An ordered pair looks like this: (4,5). The first number tells how many units the point is located to the right of the zero. The second number tells how many units the point is located up from zero. To find (4,5), move right 4, and up 5.

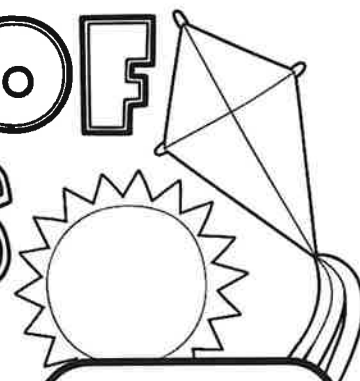
Use the grid to find the location of each summer object.



1.  = (____, ____)
2.  = (____, ____)
3.  = (____, ____)
4.  = (____, ____)
5.  = (____, ____)
6.  = (____, ____)
7.  = (____, ____)
8.  = (____, ____)
9.  = (____, ____)
10.  = (____, ____)
11.  = (____, ____)
12.  = (____, ____)

Name _____ Date _____

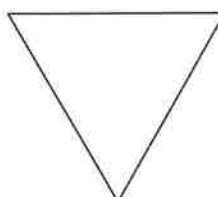
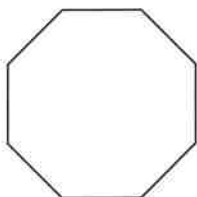
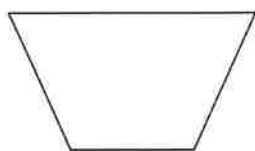
PROPERTIES OF 2D SHAPES



Use the word bank to identify each two-dimensional figure..

Word Bank

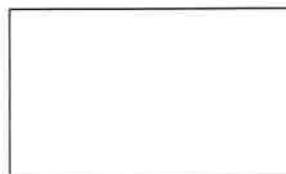
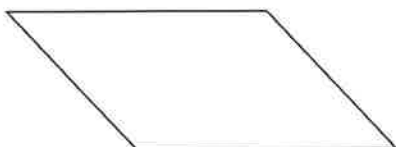
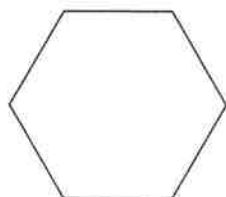
triangle
quadrilateral
square
rectangle
rhombus
parallelogram
pentagon
hexagon
octagon
trapezoid



1. _____

2. _____

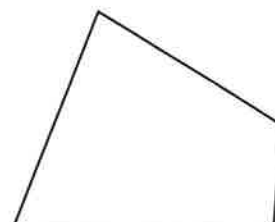
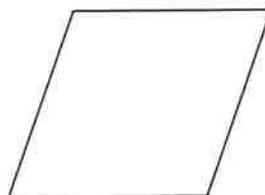
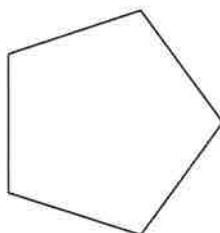
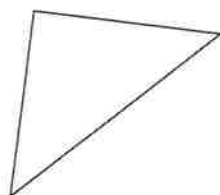
3. _____



4. _____

5. _____

6. _____

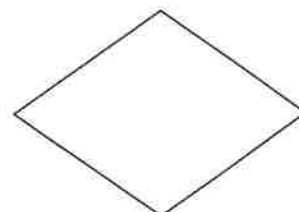
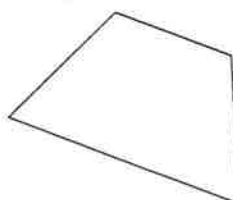
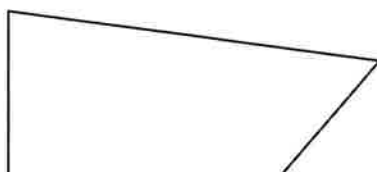


7. _____

8. _____

9. _____

10. _____



11. _____

12. _____

13. _____

14. _____

Name _____ Date _____

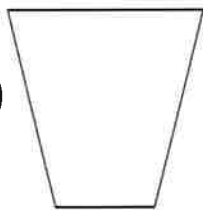
CLASSIFYING 2D SHAPES

Word Bank

quadrilateral
trapezoid
parallelogram
rectangle
square
rhombus

Use the word bank to classify the following quadrilaterals. Some shapes may have more than one correct classification.

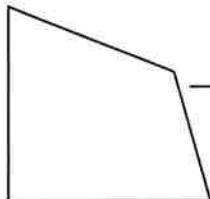
1



2



3



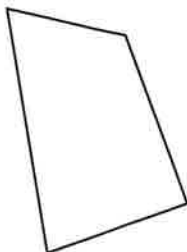
4



5



6



Name all quadrilateral(s) described.

7. I have 4 sides and 4 right angles. What am I?

8. I have 4 congruent sides, and my opposite sides are parallel. What am I?

9. I have 4 congruent sides and 2 acute angles and 2 obtuse angles. What am I?

10. I have 4 sides but only 1 pair of parallel sides. What am I?

11. I have 4 sides, and opposite sides are parallel. What am I?

12. I have 4 congruent sides, and my opposite angles are equal. What am I?
