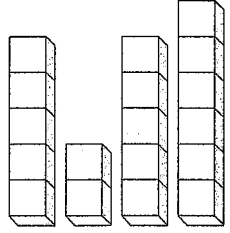


## Lesson #20

1. Peter has a dozen sticks of butter. He needs  $\frac{1}{6}$  of a stick to make an omelet. How many omelets can Peter make? If it helps, use a fraction model.
2. The soccer team has 1 goalie, 4 midfielders, 4 defenders, and 4 forwards. Write the ratio of midfielders to goalies.
3. Sometimes the mean lies between two whole numbers. If the cubes were stacked evenly in 4 columns, how many would be in each column?
4. A neighborhood survey is taken asking how long each family has lived in its current house. Will there be a wider range of data if answers are given in years or in months?
5. Compare the ratio of oak to maple trees. If the ratio stayed the same, and there were 65 trees, how many would be oak trees and how many would be maples?

Oak Trees	4	8	12	16	?	24
Maple Trees	9	18	27	36	?	54

6.  $20.44 \div 7.3 = ?$
7. A storage unit measures 6 m high, 4 m wide, and 10 m long. Find the volume.
8. Brooke paid \$30 to buy 15 songs. What was the unit rate in dollars per song?
9. Find the value of  $6^3$ .
10.  $64 \times 71 = ?$
11. Give the sum in simplest form.  $\frac{3}{10} + \frac{5}{12} = ?$
12. A rhombus is made of two isosceles triangles. Each has a base of 7 m and a height of 12 m. What is the area of the rhombus?
13.  $3,366 \div 66 = ?$
14. What is the LCM of 6 and 2?
15. Round 3.1871 to the nearest thousandth.

1. 6.NS.1	2. 6.RP.1	3. 6.SP.5 
4. 6.SP.1	5. 6.RP.3	6. 6.NS.3
7. 5.MD.5	8. 6.RP.2	9. 6.EE.1
10. 5.NBT.5	11. 5.NF.1	12. 6.G.1
13. 6.NS.2	14. 6.NS.4	15. 5.NBT.4

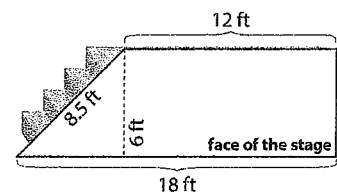
## Lesson #21

- Evaluate the expression. See the *Help Pages* for the standard order of operations.  $8 + 5^2 \times 4$
- Mr. Branson received 72 emails in 9 minutes. On average, Mr. Branson is receiving \_\_\_\_\_ emails per minute.
- Which survey question will yield more specific statistics?
- $5,634 \div 70 = ?$
- Mr. Lane's travel time from Cleveland, Ohio, to Toledo, Ohio, was  $1\frac{1}{2}$  hours. The two cities are 99 miles apart. If his speed remained constant, what was Mr. Lane's rate of speed? State the answer in miles per hour.
- $5 \times [4 + (3 \times 3)] = ?$
- Find the prime factorization of 27.
- $3,788 \times 7 = ?$
- Study the data table. How many data points are there? What is the mean?

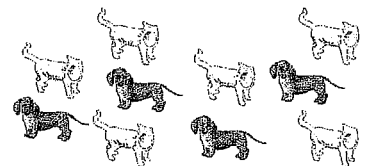
Week of May 6	Mon.	Tues.	Wed.	Thurs.	Fri.
Students Absent	3	2	1	1	3

- Give the difference in simplest form.  $3\frac{8}{9} - 2\frac{1}{3} = ?$

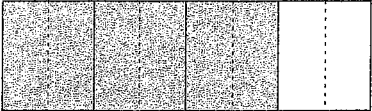
- A painter must paint the front panel of a stage. An ounce of paint will cover 1 square foot. How many ounces will the painter need to paint the stage front?



- $3.07 \times 0.5 = ?$
- Write the ratio of cats to dogs. Complete the sentence. For every 3 cats, there are \_\_\_\_\_ dogs.

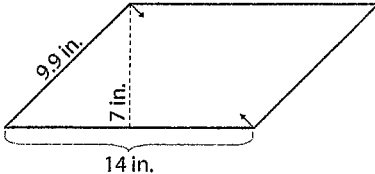


- Place grouping symbols to make this equation true.
- The fraction model shows  $\frac{3}{4} \div \frac{3}{8}$ . The diagram shows 4 equal sections with 3 shaded. The whole diagram is divided into fourths and also into eighths. Group sets of  $\frac{3}{8}$  to find out how many  $\frac{3}{8}$ s are in  $\frac{3}{4}$ . There are \_\_\_\_\_ groups of  $\frac{3}{8}$  in  $\frac{3}{4}$ .

1. 6.EE.1	2. 6.RP.2	3. 6.SP.1 A) What continent does each participant live in? B) What city does each participant live in?
4. 6.NS.2	5. 6.RP.3	6. 5.OA.1
7. 6.NS.4	8. 5.NBT.5	9. 6.SP.5
10. 5.NF.1	11. 6.G.1	12. 6.NS.3
13. 6.RP.1	14. 5.OA.1 $3 \times 5 - 8 + 7 - 3 \div 6 = 13$	15. 6.NS.1 

## Lesson #22

1. Find the GCF of 15 and 30.
2. Marta's family enjoyed  $\frac{1}{2}$  of a pumpkin pie. The pie was originally cut into eighths. How many  $\frac{1}{8}$  slices can Marta serve from half of the pumpkin pie?
3. Penny Lane drove 250 miles in 4 hours. At that rate, how many miles will she travel in 8 hours? What is Penny's rate of speed?
4. Draw a line to connect the two arrows; this will divide the parallelogram into two congruent triangles. Then, find the area of the parallelogram.
 


5. Order the numbers from least to greatest: 675.21    576.12    657.21    756.12
6. A shoe box is 15 inches long, 8 inches wide, and 4 inches high. How much space is inside the box?
7. Evaluate the expression.  $(8 + 2) \times 4^2$
8. Place grouping symbols to make this equation true.
9. Tyler collected money for the local food bank. He received \$51 dollars in 3 hours. Write a unit rate to show how much Tyler received in one hour.
10. The breakfast café uses  $3\frac{1}{4}$  lb of coffee per day. How much coffee does it use in a 7-day week?
11. Give the sum in simplest form.  $2\frac{3}{4} + 6\frac{1}{2} = ?$
12. The data table shows the distance that each team member walked in a walk-a-thon. Find the mean.
 

Participants	Judy	Lucas	Traci	Nick	Mike
Miles Walked	5	3	6	2	3
13.  $90.315 - 38.77 = ?$
14. For every mile Karen runs, she drinks 4 cups of water. If she runs 5 miles, how many cups will she drink?
15.  $3,960 \div 44 = ?$


1. 6.NS.4	2. 6.NS.1	3. 6.RP.3
4. 6.G.1	5. 5.NBT.3	6. 5.MD.5
7. 6.EE.1	8. 5.OA.1 $400 \div 50 \times 4 + 4 = 1$	9. 6.RP.2
10. 5.NF.6	11. 5.NF.1	12. 6.SP.5
13. 6.NS.3	14. 6.RP.1	15. 6.NS.2

## Lesson #23

1. Choose the statistical question.
  - A) How many languages does each student in the school speak?
  - B) How many languages do you speak?
2. Give the difference in simplest form.  $\frac{4}{5} - \frac{1}{3} = ?$
3. A scalene triangle has a base of 9 ft and a height of 4 ft. What is its area?
4. Round 22.167 to the nearest hundredth.
5. Carmela collected 24 pine cones on a 2-hour hike in the woods. On average, Carmela collected \_\_\_\_\_ pine cones per hour.
6.  $3,753 \div 45 = ?$
7. The kitchen has five pots, four pans, and 2 baking sheets. Write the ratio of baking sheets to pots. Show all three forms of the ratio.
8. What is the GCF of 8 and 3? Are 8 and 3 relatively prime?
9. Place grouping symbols to make this equation true.
10. Shade  $\frac{4}{6}$  of the rectangle. How many  $\frac{2}{6}$  are in  $\frac{4}{6}$ ?
11. The student council sponsored a toy donation campaign for the holidays. The data table shows how many toys were collected in each class. Give the mean.

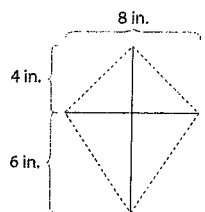

Classroom	A	B	C	D	E	F	G	H
Toys Collected	20	15	12	13	16	20	20	20

12. Each seedling needs  $\frac{3}{4}$  cup of liquid fertilizer. How much will be needed for 9 seedlings?
13.  $45.5 \div 3.5 = ?$
14. Which expression has a value of 100?
  - A)  $5^3 - 5^2$
  - B)  $2^{10}$
15. A bag of 5 heads of garlic costs \$3.25 at Mimi's Market. Dan's Deli is charging \$1.50 for 2 heads of garlic. Which store offers the best price per head of garlic? Explain.

1. 6.SP.1	2. 5.NF.1	3. 6.G.1
4. 5.NBT.4	5. 6.RP.2	6. 6.NS.2
7. 6.RP.1	8. 6.NS.4	9. 5.OA.1 $2 \times 9 - 5 + 4 + 6 \times 5 = 63$
10. 6.NS.1  $\frac{4}{6} \div \frac{2}{6} = \underline{\hspace{2cm}}$	11. 6.SP.5	12. 5.NF.6
13. 6.NS.3	14. 6.EE.1	15. 6.RP.3



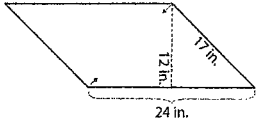
## Lesson #24

- Mixie's Deli sells sliced ham for \$5.79/lb. If Marie buys 3 lb of ham from Dixie's Deli for \$16.80, would the same amount of ham have been cheaper or more expensive at Mixie's?
- Bill has  $\frac{15}{20}$  of a case of power bars. He needs  $\frac{1}{4}$  of a case for each customer. How many customers can Bill supply with power bars? (Hint: How many one-fourths are in  $\frac{15}{20}$ ?)
- Some numerical expressions use exponential notation (i.e.,  $4 \times 4 = 4^2$ ). Write  $3 \times 3 \times 3 \times 3$  as a numerical expression using exponential notation.
- Rewrite  $33 + 27$  using GCF and the distributive property.
- Round 679.23 to the nearest tenth.
- $1,323 \div 27 = ?$
- Choose the statistical question.
  - How tall is Eunice?
  - What are the three most common heights of children in the class?
- Place grouping symbols to make this equation true.
- A diagram of Quentin's kite is shown here. Find the area of Quentin's kite.
 
- $35 \div [(20 + 10) \div 6] = ?$
- Hefty Bird Grocery sells a case of 15 cans of chili for \$75.00. Bulky Grocery sells 8 cans of the same brand of chili for \$32. Give the unit rate for a can of chili from each store. Which store has the lower unit rate?
- Give the sum in simplest form.  $3\frac{6}{10} + 2\frac{5}{6} = ?$
- Write the ratio of birds to clouds.
 
- Find the mean.
 

4	2	4	3	5	5	6	5
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- $2.4 \times 0.55 = ?$

1. 6.RP.3	2. 6.NS.1	3. 6.EE.1
4. 6.NS.4	5. 5.NBT.4	6. 6.NS.2
7. 6.SP.1	8. 5.OA.1 $150 \div 5 \times 2 - 4 = 25$	9. 6.G.1
10. 5.OA.1	11. 6.RP.2	12. 5.NF.1
13. 6.RP.1	14. 6.SP.5	15. 6.NS.3

## Lesson #25

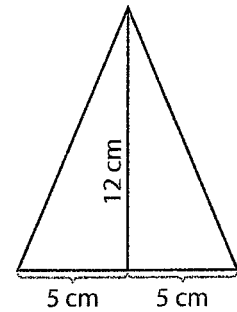
1. Divide the parallelogram into two congruent triangles by drawing a line to connect the two arrows. Then, find the area of the parallelogram.
 
2. The expression  $n + 5$  can be read this way: “an unknown number plus 5” or “ $n$  plus 5.” Algebraic expressions use numbers and letters called variables, which stand for numbers. Write an algebraic expression for 18 divided by a number.
3. For every five candy bars David sells, he earns \$1. How many candy bars must he sell to earn \$15?
4.  $39.07 - 18.49 = ?$
5. Evaluate  $10^4$ . (Find the value.)
6.  $375.158 \bigcirc 375.51$
7. Diana drives 408 miles in six hours, traveling at a constant speed. At what rate is she traveling? If she drives 5 more hours at that speed, what will her total distance be?
8. Place grouping symbols to make this equation true.
9. Sylvia has  $\frac{3}{4}$  of a yard of paper to wrap candles. If it takes  $\frac{1}{8}$  of a yard of paper to wrap each candle, how many candles can Sylvia wrap? Create a fraction model.
10. Give the difference in simplest form.  $7\frac{5}{6} - 4\frac{2}{3} = ?$
11.  $7,688 \div 23 = ?$
12. Calvin paid \$3.00 for 10 juice boxes. What is the unit rate in cost per box?
13. Find the LCM of 5 and 3.
14. Round 643.1672 to the nearest thousandth.
15. Find the mean. Round to the nearest tenth.
 

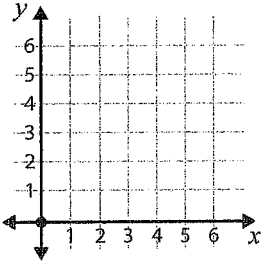
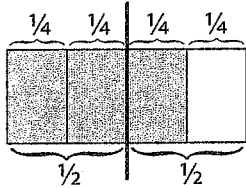
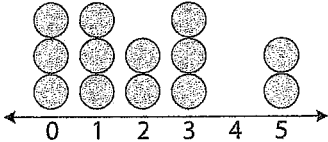
6	6	6	8	2	4	7
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1. 6.G.1	2. 6.EE.2	3. 6.RP.1
4. 6.NS.3	5. 6.EE.1	6. 5.NBT.3
7. 6.RP.3	8. 5.OA.1 $7 \times 8 - 6 + 5 \times 2 = 34$	9. 6.NS.1
10. 5.NF.1	11. 6.NS.2	12. 6.RP.2
13. 6.NS.4	14. 5.NBT.4	15. 6.SP.5

## Lesson #26

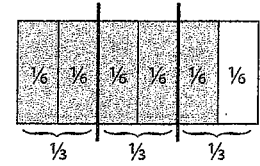
1. Rewrite this phrase using algebraic symbols: *eight times a number, decreased by 12.*
2. Two triangles are placed back to back. Find the total area of both triangles.
3.  $6 - 10 \div 2 + [(8 - 4 + 2) \times 3] = ?$
4.  $4,956 \div 70 = ?$
5. Choose the statistical question.
  - A) What is the measured brightness of each of the following 200 stars?
  - B) What is the measured brightness of the sun today at noon?
6. A delivery truck drives 150 miles in 6 hours. On average, the truck drives \_\_\_\_\_ miles per hour.
7. Place grouping symbols to make this equation true.
8. As Billy grew up, the 4 ft tree outside his room grew exponentially. Give the height of the tree when it was  $4^3$  feet tall.
9. Marco has 9 pencils, 4 pens, and 5 erasers. Write the ratio of erasers to pencils.
10. Graph and label these points on the coordinate plane in your answer box.  $P(5, 3)$ ,  $S(3, 6)$ , and  $W(6, 1)$ .
11. Study the fraction model for  $\frac{3}{4} \div \frac{1}{2}$ . The model shows how many one-halves are in three-fourths. Think about the quotient. What does it mean? There are \_\_\_\_\_ halves in three-fourths.
12. The dot plot shows the runs per game scored by a baseball team over the course of a season. How many games are represented by the dot plot? How many runs were scored during the whole season? Give the mean.
13. Find the LCM of 12 and 2.
14. Best Grocery sells 5 lb of salmon for \$100. Fresh Grocers sells 3 lb of salmon for \$63. What is the unit price for a pound of salmon at each store?
15.  $9.6 + 2.45 = ?$



<p>1. 6.EE.2</p>	<p>2. 6.G.1</p>	<p>3. 5.OA.1</p>
<p>4. 6.NS.2</p>	<p>5. 6.SP.1</p>	<p>6. 6.RP.2</p>
<p>7. 5.OA.1</p> <p><math>12 - 8 \div 2 - 3 \times 3 = 15</math></p>	<p>8. 6.EE.1</p> <p>A) <math>3 \times 4</math></p> <p>B) 16 ft</p> <p>C) 64 ft</p>	<p>9. 6.RP.1</p>
<p>10. 5.G.1</p> 	<p>11. 6.NS.1</p> 	<p>12. 6.SP.5</p> 
<p>13. 6.NS.4</p>	<p>14. 6.RP.3</p>	<p>15. 6.NS.3</p>

### Lesson #27

- Find the prime factorization of 18.
- A macaroni and cheese recipe calls for 12 cups of macaroni, 1 cup of heavy cream, and 4 cups of cheddar cheese. What is the ratio of macaroni to cheddar cheese? Write a unit rate.



- Study the fraction model for  $\frac{5}{6} \div \frac{1}{3}$ . It shows how many one-thirds are in five-sixths. Think about the quotient. It means that there are \_\_\_\_\_ one-thirds in five-sixths.

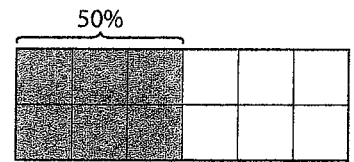
- Place grouping symbols to make this equation true.

5. Give the sum in simplest form.  $\frac{3}{4} + \frac{9}{12} = ?$

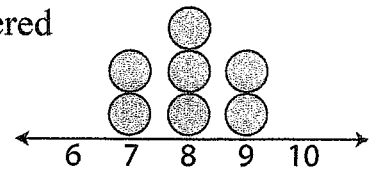
6.  $7.02 \div 1.8 = ?$

- Soups by Sally made  $2^3$  gallons of chicken noodle soup. How many gallons did the store make?

- Percent literally means “per hundred.”** To find 50% of a number, multiply the number by  $\frac{50}{100}$ . Study the model. Find 50% of 12.



- The dot plot shows the number of items that were answered correctly on a quiz. Each dot represents one student’s quiz score. How many students are represented? Give the mean score.

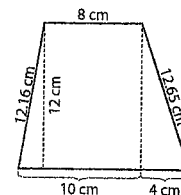


10.  $77.203 \bigcirc 77.23$

- Round 267.493 to the nearest hundredth.

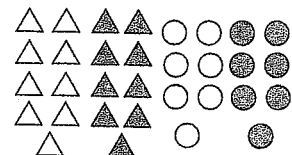
12.  $1,869 \div 21 = ?$

- The trapezoid is composed of two right triangles and a rectangle. Find the area.



- When writing expressions, make sure the symbols accurately represent the words. The expression 7 "less than a number" is written as  $x - 7$ , not  $7 - x$ .** Write an algebraic expression for 25 less than a number.

- Write the ratio of triangles to circles.



1. 6.NS.4	2. 6.RP.2	3. 6.NS.1
4. 5.OA.1 $9 + 2 \times 6 - 8 - 2 \times \frac{1}{2} = 18$	5. 5.NF.1	6. 6.NS.3
7. 6.EE.1	8. 6.RP.3	9. 6.SP.5
10. 5.NBT.3	11. 5.NBT.4	12. 6.NS.2
13. 6.G.1	14. 6.EE.2	15. 6.RP.1

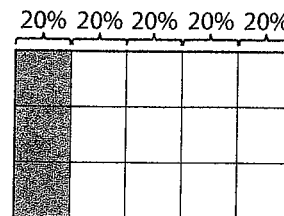



## Lesson #28

- Find the GCF of 12 and 16.
- Choose the statistical question.
- Finish the pattern. 480, 430, 380, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_
- The table shows Lindy's weekly test scores for a month. If her average was 8.5, what was her score on the last test? (Find the product of 8.5 and 4; then subtract the given test scores to find the missing addend.)

Week	1	2	3	4
Score	6.2	10	8.8	?

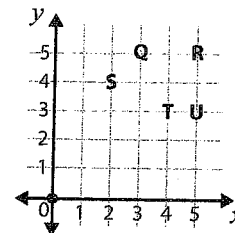
- There were 15 cherry pieces and 5 grape pieces in the candy bowl. What was the ratio of cherry to grape pieces of candy?
- Complete the fraction model to show  $\frac{2}{3} \div \frac{1}{6}$ . Give the quotient. There are \_\_\_\_\_ one-sixths in two-thirds.
- Give the difference in simplest form.  $6\frac{11}{12} - 2\frac{3}{5} = ?$
- Five more than 6 times a number* matches which algebraic expression?
- $2.7 \times 3.5 = ?$
- For every 7 bites Melissa takes, she has two sips of water. If Melissa takes 63 bites, how many sips of water will she take?
- What is the volume of a cube whose side lengths are 8 cm?
- A trapezoid is made of a square with side lengths of 4 ft and an isosceles right triangle whose base and height are both 4 ft. Find the area. Draw a diagram of the trapezoid if you need help.
- Study the model. If 3 blocks (shaded part) are 20% of the value, what is 100% of the value? Study the model.
- $6,782 \div 80 = ?$
- Find the value of  $7^3$ .



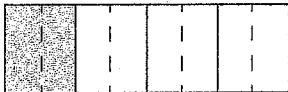
1. 6.NS.4	2. 6.SP.1 A) How old is Joni in months? B) How old are the students of Joni's elementary school?	3. 5.OA.3
4. 6.SP.5	5. 6.RP.2	6. 6.NS.1 
7. 5.NF.1	8. 6.EE.2 A) $5 \times 6 \times m$ B) $6m + 5$	9. 6.NS.3
10. 6.RP.1	11. 5.MD.5	12. 6.G.1
13. 6.RP.3	14. 6.NS.2	15. 6.EE.1

## Lesson #29


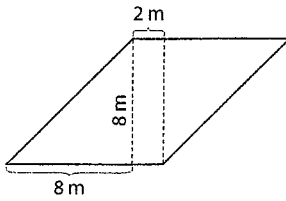
1. The gallery is exhibiting 21 paintings, 9 sculptures, and 7 video art pieces. Write the ratio of video art pieces to paintings. Show all three forms of the ratio.
2. Evaluate the expression.  $6 + 2^2 - 4$
3. Give the ordered pair for point  $Q$  on the coordinate plane.
4. Give the sum in simplest form.  $\frac{7}{12} + \frac{5}{6} = ?$
5. What is the volume of a rectangular prism whose dimensions are 3 meters, 6 meters, and 4 meters?
6.  $3.069 \div 3.3 = ?$
7. In May, 40 of 50 sixth-graders went on a field trip. What percent of the sixth-graders went on the trip?  $\frac{40}{50} = \frac{\boxed{?}}{100} = \underline{\hspace{1cm}}\%$   
Rewrite the given rate as a rate per 100.
8. The department store had a special: 3 winter hats for \$30.00. Give the unit rate in dollars per hat.
9. Complete the fraction model to show  $\frac{1}{4} \div \frac{3}{8}$ . Give the quotient.
10.  $1,200 \div 38 = ?$
11. Place grouping symbols to make this equation true.
12. **When writing an algebraic expression, define a variable, or choose a letter or symbol to stand for a value. For example, let  $x$  equal the number of students in our class. Then,  $x + 1 =$  the number of students plus the teacher. Write an algebraic expression for 25 divided by a number.**
13. An isosceles triangle has a base of 4 m and a height of 4 m. Find the area.
14. What is the GCF of 15 and 25?
15. **The range of a set of data is the difference between the minimum and maximum values.** Study the table. What is the range of this data set? (Subtract the lowest number from the highest number.)

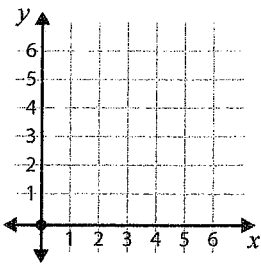


Quiz Scores	100	95	85	80	92
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1. 6.RP.1	2. 6.EE.1	3. 5.G.1
4. 5.NF.1	5. 5.MD.5	6. 6.NS.3
7. 6.RP.3	8. 6.RP.2	9. 6.NS.1 
10. 6.NS.2	11. 5.OA.1 $9 + 2 \times 3 + 4 - 7 = 16$	12. 6.EE.2
13. 6.G.1	14. 6.NS.4	15. 6.SP.5

## Lesson #30

1. Write the ratio of bugs to tacks. 
2. Plot and label these points on the coordinate plane in your answer box.  
 $N(2, 6)$ ,  $T(4, 0)$ , and  $K(1, 1)$
3.  $47.3 - 29.7 = ?$
4. Rewrite using algebraic symbols: *four times a number, decreased by 3.*
5. What is the volume of a cube whose side lengths are 6 cm?
6. Five of the twenty students in class have blue eyes. Write “five of twenty” as a percent.
7. Use GCF and the distributive property to rewrite  $56 + 48$ .
8. Charlie bought  $\frac{7}{8}$  pound of grapes from the farmers market. He wants to divide the grapes into  $\frac{1}{4}$  pound bags. Use a fraction model to find the quotient; then tell how many bags Charlie can make.
9. Miranda charged \$4.00 for 5 brownies. Give the unit rate in cost per brownie.
10. Evaluate the expression.  $(4 + 3) \times 3^2$
11. Give the difference in simplest form.  $\frac{4}{5} - \frac{6}{10} = ?$
12. If the class sizes in a school vary from 22 to 30, what is the range?
13. Solve and compare.  $7 \times 6 - 5$  and  $7 \times (6 - 5)$
14.  $3,480 \div 40 = ?$
15. Find the area. Keep in mind that opposite sides of a parallelogram have the same lengths. 

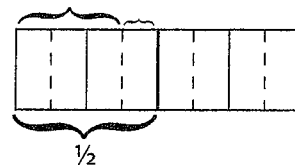
1. 6.RP.1	2. 5.G.1 	3. 6.NS.3
4. 6.EE.2	5. 5.MD.5	6. 6.RP.3
7. 6.NS.4	8. 6.NS.1	9. 6.RP.2
10. 6.EE.1	11. 5.NF.1	12. 6.SP.5
13. 5.OA.1	14. 6.NS.2	15. 6.G.1

## Lesson #31

1. Which expression has a value of 10,000?
2. A right triangle has a base of 7 cm and a height of 11 cm. Find the area.
3. Study the data set in the box. What is the difference between the lowest value and the highest value? This number represents the \_\_\_\_\_ of the data set.
4.  $3,963 \div 36 = ?$
5. For every happy song at the concert, there were two sad songs. If there were 19 happy songs, how many sad songs were there?
6. Write an algebraic expression for *15 less than a number*.
7.  $17.1 + 39.46 = ?$
8. Solve and compare.  $5 \times 7 - 3$  and  $5 \times (7 - 3)$
9. A package of 30 rolls of tissue cost \$15. What is the unit rate in dollars per roll?
10. Choose the statistical question.
  - A) How many people were on the cruise?
  - B) From what city did each passenger on the cruise come?
11. Give the sum in simplest form.  $\frac{2}{3} + \frac{1}{4} = ?$
12. It is courteous to leave a 20% tip for good service at a restaurant. Complete the table, showing the suggested tip for several amounts. If the food order is \$48.00, how much is the suggested tip?

<b>Amount of Bill</b>	\$1.00	\$3.00	\$20.00	\$48.00
<b>Tip of 20%</b>	\$0.20	\$0.60	\$4.00	?

13. Find the LCM of 4 and 3.
14. How much soil is needed to fill a raised bed garden that measures 6 feet by 5 feet by 1 foot?
15. How many  $\frac{3}{8}$  cups are in  $\frac{1}{2}$  of a cup? Study the fraction model for  $\frac{1}{2} \div \frac{3}{8}$ . It shows that the quotient is  $1\frac{1}{3}$ .



What does the quotient mean?

- A) There is one set of  $\frac{3}{8}$  plus  $\frac{1}{3}$  of three-eighths in one-half.
- B) There are  $1\frac{1}{3}$  cups in  $\frac{1}{2}$  cup.
- C) Four-eighths are the same as one-half.

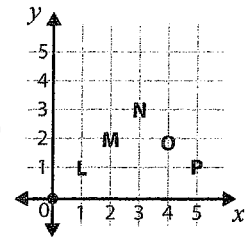
1. 6.EE.1  A) $4^3 - 4^2$  B) $10^4$	2. 6.G.1	3. 6.SP.5 <table border="1" data-bbox="1058 214 1455 256"><tr><td>Data Set 1</td><td>12</td><td>25</td><td>60</td><td>37</td><td>54</td></tr></table>	Data Set 1	12	25	60	37	54
Data Set 1	12	25	60	37	54			
4. 6.NS.2	5. 6.RP.1	6. 6.EE.2						
7. 6.NS.3	8. 5.OA.1	9. 6.RP.2						
10. 6.SP.1	11. 5.NF.1	12. 6.RP.3						
13. 6.NS.4	14. 5.MD.5	15. 6.NS.1						



## Lesson #32

1. A 10-pound bag of puppy food sells for \$8.00. What is the unit rate in dollars per pound?
2.  $0.300 \div 4 = ?$
3. The playground has 9 oak trees, 24 pine trees, and 3 elm trees. Write the ratio of elm to pine trees.
4. Study the following expression:  $3x^2 + 5y + 7$ . The variables are  $x$  and  $y$ . **A variable is a letter that stands for a value.** Identify the variables in the expression  $7m + 4n + 8$ .
5. What ordered pair represents point  $N$  on the coordinate plane?
6. What is the LCM of 4 and 10?
7. Write  $\frac{1}{2} \times \frac{1}{2} \times \frac{1}{2}$  as a numerical expression using exponential notation.
8. Aisha has  $\frac{8}{9}$  of a pound of beads. She wants to divide the beads into bags that each contain  $\frac{2}{9}$  of a pound. How many bags can Aisha make?
9. A trapezoid is made of six congruent isosceles right triangles. Each triangle has a base and a height of 5 mm. Draw the trapezoid. Find its area.
10.  $7 \times (32 \div 8 + 4) = ?$
11.  $897 \div 38 = ?$
12. Study the data set. What is the range? What is the mean?

Data Set 2	0	1	2	6	1	9	5	9
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1. 6.RP.2	2. 6.NS.3	3. 6.RP.1
4. 6.EE.2	5. 5.G.1	6. 6.NS.4
7. 6.EE.1	8. 6.NS.1	9. 6.G.1
10. 5.OA.1	11. 6.NS.2	12. 6.SP.5
13. 5.OA.1	14. 6.RP.3	15. 5.NF.1

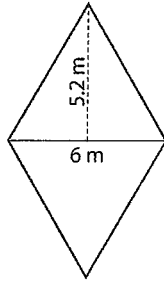
Sticks	1	1½	2	3
Tablespoons	8			
Cups	½			



<p>1. 6.G.1</p>	<p>2. 6.NS.2</p>	<p>3. 6.RP.1</p>															
<p>4. 5.MD.5</p>	<p>5. 6.EE.1</p>	<p>6. 6.SP.1</p>															
<p>7. 6.RP.3</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="padding: 2px;">Yield (gal)</td> <td style="padding: 2px;">.25</td> <td style="padding: 2px;">1</td> <td style="padding: 2px;">1.5</td> <td style="padding: 2px;">2.75</td> </tr> <tr> <td style="padding: 2px;">Yield (qt)</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> <tr> <td style="padding: 2px;">Yield (C)</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table>	Yield (gal)	.25	1	1.5	2.75	Yield (qt)					Yield (C)					<p>8. 6.SP.5</p>	<p>9. 6.NS.4</p>
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<p>13. 5.OA.1</p>	<p>14. 6.NS.1</p> <table border="1" style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <tr> <td style="width: 33%; height: 30px;"></td> <td style="width: 33%; height: 30px;"></td> <td style="width: 33%; height: 30px;"></td> </tr> </table>				<p>15. 5.NF.1</p>												

## Lesson #34

1. An 8-bar package of soap sells for \$4.00. What is the unit rate in cost per bar?
2. Frank said that on Wednesday he packed  $6^3$  boxes. How many boxes is that?
3. Find the GCF of 9 and 12.
4.  $35.6 - 19.37 = ?$
5.  $56.075 \bigcirc 56.05$
6. The formula for the area of a rectangle is  $A = l \times w$ . If the area of a mat is  $\frac{3}{4}$  square yards and the width is  $\frac{1}{4}$  of a yard, what is the length? Create a fraction model to solve.  $\frac{3}{4} \div \frac{1}{4} = ?$  (Hint:  $? \times \frac{1}{4} = \frac{3}{4}$ .)
7. For every 9 burritos Samuel buys, he earns a free burrito. How many burritos must he buy to get 4 for free?
8.  $30 \times 50 = ?$
9. Find the area of the equilateral triangle with side lengths of 6 m, and then find the total area of the rhombus.
 



The diagram shows a rhombus with a horizontal diagonal labeled '6 m' and a vertical dashed diagonal labeled '5.2 m'.
10. Find the difference.  $6\frac{6}{8} - 2\frac{2}{4} = ?$
11. Caroline can buy 7 yd of ribbon for \$4. Use this information to fill in the chart.
12. Find **Table B** in the *Appendix*. What is the range of the data points?
13. Study the following expression:  $3x^2 + 5x + y$ . The coefficients are 3, 5, and 1. **A coefficient is the number in front of a variable in an algebraic term.** In the example, 3 is the coefficient of  $x^2$ , 5 is the coefficient of  $x$ , and 1 is the coefficient of  $y$  (since  $y = 1y$ ). What is the coefficient of  $12x^3$ ?
14.  $836 \div 25 = ?$
15. Graph and label these points on the coordinate plane in your answer box.  
 $A(6, 4)$ ,  $N(0, 3)$ , and  $T(3, 0)$

<p>1.            6.RP.2</p>	<p>2.            6.EE.1</p>	<p>3.            6.NS.4</p>								
<p>4.            6.NS.3</p>	<p>5.            5.NBT.3</p>	<p>6.            6.NS.1</p>								
<p>7.            6.RP.1</p>	<p>8.            5.NBT.5</p>	<p>9.            6.G.1</p>								
<p>10.           5.NF.1</p>	<p>11.           6.RP.3</p> <table border="1" style="margin: 10px auto; border-collapse: collapse; text-align: center;"> <tr> <td style="padding: 2px;">Length (yd)</td> <td style="padding: 2px;">7</td> <td style="padding: 2px;">3.5</td> <td style="padding: 2px;">21</td> </tr> <tr> <td style="padding: 2px;">Cost (\$)</td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> <td style="padding: 2px;"></td> </tr> </table>	Length (yd)	7	3.5	21	Cost (\$)				<p>12.           6.SP.5</p>
Length (yd)	7	3.5	21							
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<p>13.           6.EE.2</p>	<p>14.           6.NS.2</p>	<p>15.           5.G.1</p> 