Shorashim 6th Grade Summer Math Program

Name: _____

Directions: Please complete each math problem to the best of your ability. If you are confused about a problem, make sure to show your work so that I know you attempted the problem. There are easier and more challenging questions throughout. Do not get discouraged when completing this assignment. This assignment is to keep your math skills strong when entering 6th grade! **This assignment will count toward your grade at Shorashim Academy.**

NOTE TO PARENTS: Please encourage your child to complete 20-25 minutes of math per day. This will allow them to finish the math assignment prior to coming back to school in August. I strongly encourage working with your child as they complete this assignment. The assignment will allow you, as a parent(s), insight to where your child is holding in regards to their math skills. Please feel free to communicate below any observations or concerns you may have about your child as he or she completed his or her summer math assignment.

Name: _____ **Date:** _____

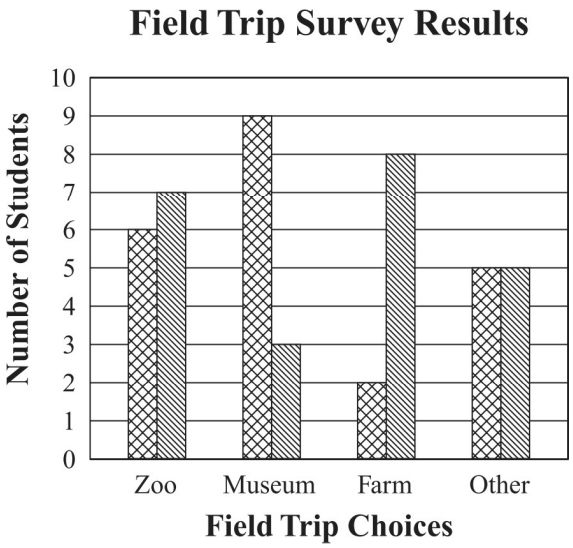
1. It snowed 4 times during October. The snowfall amounts were 0.75 inches, 1.93 inches, 4.73 inches, and 2.33 inches. What was the total snowfall for October?

2. Ruth needs to buy three pounds of screws. Screws cost $1.98 per pound. Which operation shows the cost of three pounds of screws?

   A. $1.98 + 3 B. $1.98 – 3

   C. $1.98 × 3 D. $1.98 ÷ 3

3. Mr. Chang surveyed the fifth-grade students about where they would most like to go for a field trip. The results of the survey are shown in the graph below.

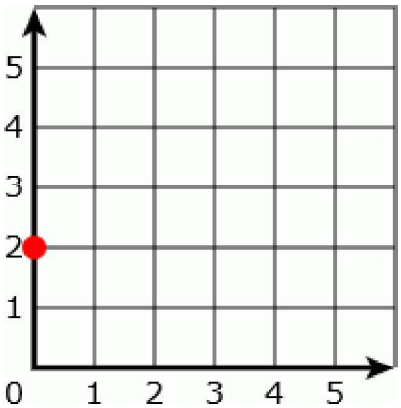


   Based on the graph, where would the greatest number of fifth-grade students most like to go for a field trip?

4. Which fraction is equivalent to $\frac{5}{6} + \frac{7}{8}$?

   A. $\frac{35}{48}$ B. $\frac{6}{7}$ C. $\frac{20}{21}$ D. $\frac{41}{24}$

5. Look at this graph.



On which axis is the point?

6. What is the denominator when $\frac{5}{6}$ is multiplied by $\frac{7}{8}$?

7. Which pair of parentheses can be removed without changing the value of this expression?

$$(1 + 2) \times (6 - 3) + (5 \times 8) \div (9 - 4)$$

A. parentheses around $1 + 2$

B. parentheses around $6 - 3$

C. parentheses around 5×8

D. parentheses around $9 - 4$

8. $\frac{3}{4} \div \frac{3}{5} =$

9. Jim sorted 5 wood pieces according to length (shortest to longest). The pieces of wood measured 13.25 inches, 13.3 inches, 13.008 inches, 12.999 inches, and 13.03 inches. In which order did Jim arrange the wood?

A. 12.999 in., 13.25 in., 13.3 in., 13.008 in., 13.03 in.

B. 12.999 in., 13.3 in., 13.008 in., 13.25 in., 13.03 in.

C. 12.999 in., 13.008 in., 13.25 in., 13.03 in., 13.3 in.

D. 12.999 in., 13.008 in., 13.03 in., 13.25 in., 13.3 in.

10. Jerry took $5.00 to the mall. He spent $0.85 for a pack of gum and $3.50 for a comic book. How much money did Jerry have left?

11. What is the value of the expression below?

$5 \times (7 - 4)$

12. What is the value of the expression below?

$4 \times (9 - 6)$

13. Tina's score from playing a video game is below.

9,050,183

How should Tina write 9,050,183 in words?

14. $\begin{array}{r} 7.2 \\ \times\ 3.3 \\ \hline \end{array}$

15. Which expression is equivalent to 10^6?

A. $10 + 6$

B. 10×6

C. $10 \times 10 \times 10 \times 10 \times 10 \times 10$

D. $10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10$

16. Which number expression includes two factors with a product of 48?

A. 4×8 B. 6×8 C. 8×4 D. 8×8

17. $4\frac{3}{4} - 2\frac{1}{2} =$

18. $\frac{1}{5} \cdot \frac{1}{6} =$

19. Wendall baked a pan of 12 brownies, as shown below.

Wendall's Brownies

Wendall gives $\frac{5}{6}$ of the brownies to Stefanie. How many brownies did Stefanie get?

20. Which of the following is equivalent to the expression below?

$$(3 \times 10) + (1 \times 0.1) + (5 \times 0.001)$$

A. 31.5 B. 31.05

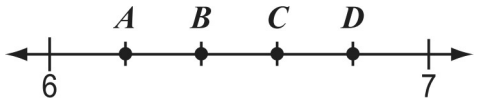
C. 30.15 D. 30.105

21. On Monday Sergio spent 30 minutes practicing the piano. On Tuesday he spent 20 minutes, and on Wednesday he spent 70 minutes. What is the mean number of minutes he spent practicing on those days?

22. $15.12 \div 2.4 =$

23. $5^3 =$

24. What point on the number line below best represents the location of 6.4?



25. Which of the following has the same value as the expression below?

$$8 \times (7 - 2)$$

A. 8×5 B. 8×9

C. $56 - 2$ D. $56 - 40$

26. Angelo has 4 lbs of peanuts. He wants to give each of his friends $\frac{1}{5}$ lb. How many friends can receive $\frac{1}{5}$ lb of peanuts?

27. Derek is making hot fudge sauce using the recipe shown below.

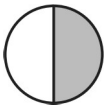
Hot Fudge Sauce

- 12 ounces of chocolate chips
- $\frac{3}{4}$ cup of heavy cream
- 1 tablespoon of butter

If Derek is going to double the recipe, how many cups of heavy cream will he need?

28. Which of the following circles appears to have one-fifth shaded?

A.  B. 

C.  D. 

29. Hector can throw a ball $50\frac{3}{5}$ feet. Lee can throw the same ball $48\frac{1}{3}$ feet. How much farther can Hector throw the ball than Lee?

30. A teacher divides a whole class into groups to work on a class project. Each group has one-sixth of all the children in the class. How many groups are there?

31. Jessica needs $8\frac{1}{4}$ cups of raisins to make 2 fruitcakes. A 12 oz box of raisins contains $2\frac{1}{3}$ cups. How many boxes of raisins should Jessica buy?

32. Jack has 18 toy cars. Each car weighs 4.2 ounces.

Which of the following expressions has a value that is closest to the total weight, in ounces, of Jack's 18 toy cars?

A. 10×4 B. 10×5 C. 20×4 D. 20×5

33. Which of the following is equivalent to the expression below?

$3\frac{1}{4} + 1\frac{1}{2}$

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

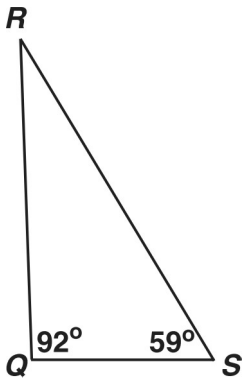
34. $15.12 \div 2.4 =$

35. Brianna bought 4 shirts. Each shirt cost $8.95.

Which estimate is closest to the total cost of the shirts that Brianna bought?

A. $32 B. $36 C. $38 D. $40

36. What is the measure of angle R?



37. Which expression has a value of $\frac{4}{5}$?

A. $\frac{1}{5} + \frac{1}{5} + \frac{2}{5}$ B. $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

C. $\frac{2}{5} + \frac{3}{5}$ D. $\frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$

38. Dora ate $\frac{4}{5}$ of an apple. Grace ate $2\frac{1}{4}$ apples. Jamal ate 3 apples. Grace used the expression below to find the total number of apples they ate.

$$\frac{4}{5} + 2\frac{1}{4} + 3$$

Jamal used a different expression to find the total amount of apples they ate. Which expression could be the one Jamal used?

A. $(2 \times 3) \times \left(\frac{4}{5} \times \frac{1}{4}\right)$ B. $(2 \times 3) + \left(\frac{4}{5} \times \frac{1}{4}\right)$

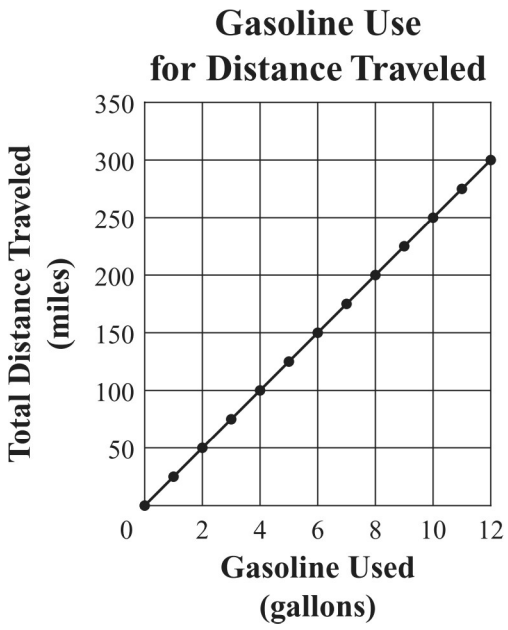
C. $(2 + 3) \times \left(\frac{4}{5} + \frac{1}{4}\right)$ D. $(2 + 3) + \left(\frac{4}{5} + \frac{1}{4}\right)$

39. $2\frac{1}{3} + 4\frac{1}{2} =$

40. Which of the following numbers is a multiple of 3?

A. 145 B. 158 C. 205 D. 216

41. The graph below shows the relationship between gasoline used and total distance traveled for Katya's car.



Based on this graph, what is the number of miles traveled per gallon of gasoline used?

42. Jen uses $\frac{3}{4}$ cup of butter for every 1 batch of cookies that she bakes. How many cups of butter will Jen use when she bakes 6 batches of cookies?

43. Angie used $20\frac{3}{4}$ inches of ribbon to wrap a gift. She also used $15\frac{1}{2}$ inches of ribbon to tie a bag.

What is the total number of inches of ribbon that Angie used?

44. The perimeter of an equilateral triangle is 24 centimeters. How many centimeters long is each side of the triangle?

45. The chart below shows the attendance at a ballpark for the last 5 games.

Ballpark Attendance

Game	Game 1	Game 2	Game 3	Game 4	Game 5
Attendance	908	875	943	850	794

a) What is the range of attendance for the 5 games? Show or explain how you got your answer.

b) What is the median attendance for the 5 games? Show or explain how you got your answer.

c) The attendance for Game 6 was 861. What is the median attendance for all 6 games? Show or explain how you got your answer.

46. Linda's father is a doctor. He says that the average height of his male patients is 6 feet. How many inches are in 6 feet?

47. Nicki's class needs to raise \$89.45 in order to have a pizza party. So far, she has collected \$62.90. How much more money does Nicki's class need to buy the pizza party?

48. Sara poured $1\frac{1}{8}$ cups of lemonade into each of 5 glasses. What was the total amount of lemonade Sara poured into the 5 glasses?

49. Kim wants to *estimate* the cost per ounce of an 8.7 ounce jar of sauce that costs \$1.75.

    What would be a *good estimate*?

    Explain how you made your estimate.

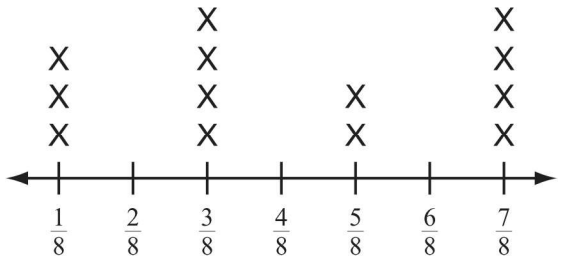
50. ‘ Andy measured the lengths of seeds from different plants. The lengths, in inches, of the seeds Andy measured are shown in the table below.

Lengths of Seeds (in inches)

$\frac{7}{8}$	$\frac{3}{8}$	$\frac{1}{8}$	$\frac{7}{8}$
$\frac{3}{8}$	$\frac{1}{8}$	$\frac{3}{8}$	$\frac{3}{8}$
$\frac{5}{8}$	$\frac{7}{8}$	$\frac{7}{8}$	$\frac{1}{8}$

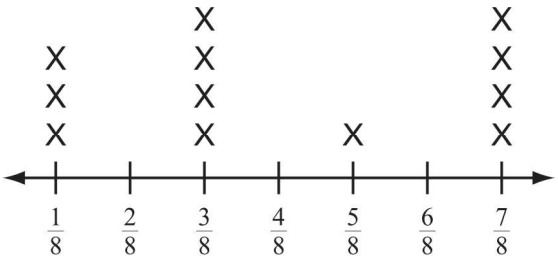
Which of these line plots correctly shows the information in the table?

A.



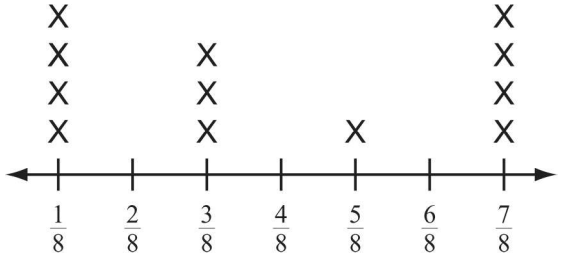
Length of Seeds (in inches)

B.



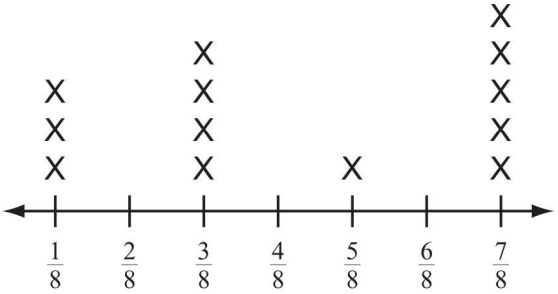
Length of Seeds (in inches)

C.



Length of Seeds (in inches)

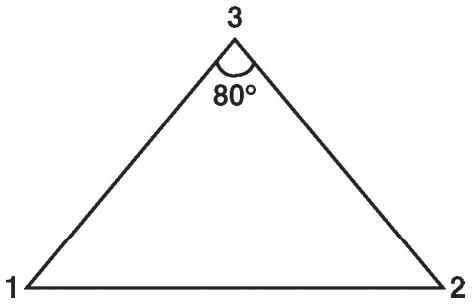
D.



Length of Seeds (in inches)

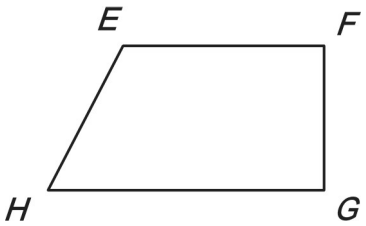
51. Kayla had $\frac{3}{4}$ of her book left to read on Sunday night. She read $\frac{1}{5}$ of the book Monday afternoon and $\frac{1}{4}$ of the book Monday evening. What fraction of the book did she still have left to read after Monday evening?

52. Andrew constructed a triangle so that $\angle 1$ and $\angle 2$ were the same size and $\angle 3$ measured 80°.



What is the measure of $\angle 1$?

53. Elsa drew the quadrilateral shown below.



Which angle appears to be acute?

54. It was reported that 6,437,193 people were living in Massachusetts in 2006. What is the value of 4 in 6,437,193?

55. Tenisha is planning a backpacking trip. The table below shows the weights of the items she has packed so far.

Backpacking Trip
Items and Weights

Item	Weight
tent	4 pounds 4 ounces
sleeping bag	2 pounds 10 ounces
food	5 pounds 6 ounces

What is the total weight of the items listed in the table? (1 pound = 16 ounces)

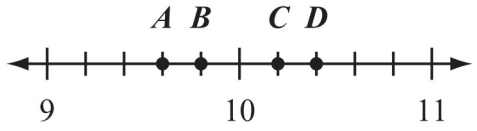
56. A total of 541 tickets were sold for a ballet. The average price of each ticket was $54.25.

Which of the following is closest to the total amount of money collected from the sale of the ballet tickets?

A. $25,000 B. $30,000

C. $35,000 D. $40,000

57. Which point on the number line below best represents the location of 10.2 ?



58. Use the number sentence below to answer the following question.

$19 + 7 + 5 = 31$

Which story below describes this number sentence?

A. Maya had 19 toy cars. She gave away 7 and got 5 in return.

B. Maya had 31 toy cars. She got 19 more. Then she gave away 5. Then she gave away 7.

C. Maya had 19 toy cars. Then she got 7 more. Then she got 5 more. Now Maya has 31 cars.

D. Maya had 7 toy cars. Then she got 19 more cars. Then she gave away 5 cars.

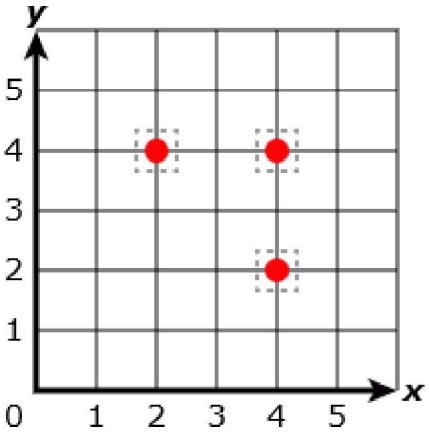
59. A company printed 25,300 magazines. Each magazine had 88 pages.

Which of the following expressions has a value that is closest to the total number of magazine pages the company printed?

A. $25,000 \times 80$ B. $25,000 \times 90$

C. $30,000 \times 90$ D. $30,000 \times 100$

60. Tony had a rope 8.35 meters long. He cut off 2.6 meters. How long was the piece of rope that was left?

61. 

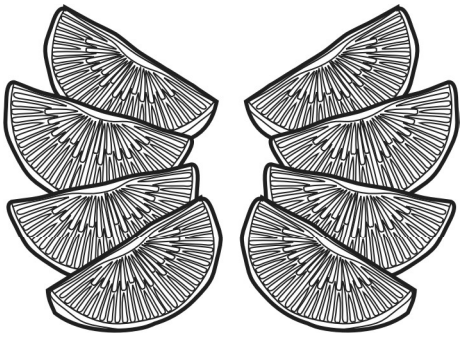
Mark the point (4, 2) on the graph.

62. Melissa worked on a subtraction problem. When she rounded each number to the nearest whole number, the difference of the two numbers was 8.

Which of the following could be Melissa's subtraction problem?

A. 24.89 – 16.16
B. 24.89 – 16.38
C. 24.89 – 17.16
D. 24.89 – 17.68

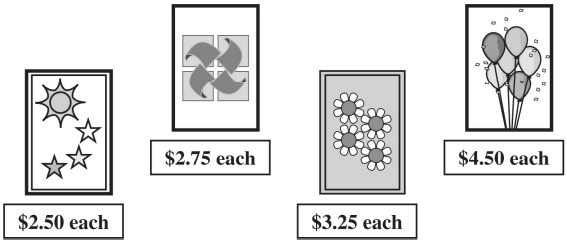
63. Miguel ate two of the orange pieces pictured below.



What fraction of the total number of orange pieces did Miguel eat?

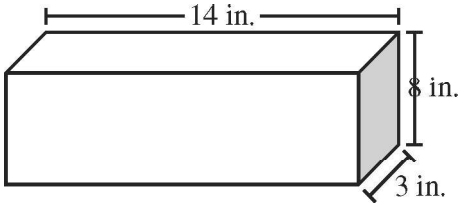
64. Karen bought 15 folders. Each folder cost $1.24. What was the total cost of Karen's 15 folders?

65. The picture below shows four different cards and the price of each.



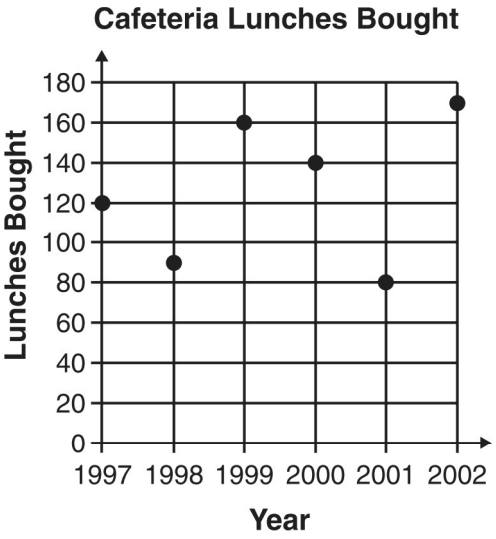
Ms. Erickson bought all 4 cards. What was the total price of all 4 cards?

66. What is 6050.287 rounded to the nearest ten?

67. 

This rectangular prism has a length of 14 inches, a height of 8 inches, and a width of 3 inches. What is the volume?

68. The table below shows the average number of lunches bought in a cafeteria each day over a period of years.



The greatest decrease in the number of lunches bought occurred between which two years?

69. Which of the following fractions is equivalent to $1\frac{1}{2}$?

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

70. Divide: $1.5\overline{)12.75}$

71. A plumber spent 0.5 hours repairing a faucet. Which of the following fractions is *not* equivalent to 0.5?

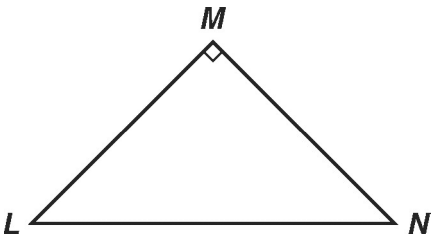
A. $\frac{1}{2}$ B. $\frac{2}{4}$ C. $\frac{3}{5}$ D. $\frac{5}{10}$

72. You have $\frac{1}{8}$ of a bag of pens and you need to share them among 3 people. How much of the bag does each person get?

73. Ms. Sanchez has $\frac{2}{3}$ of a quart of oil to divide evenly between 3 snow machines. Which expression can she use to determine the fraction of a quart of oil each snow machine will receive?

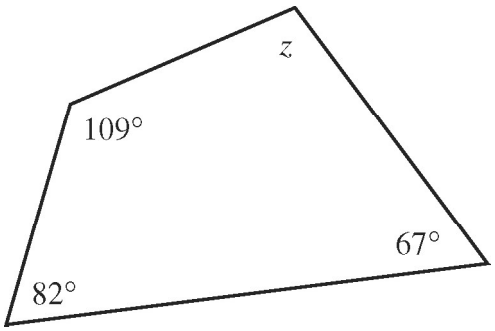
A. $\frac{2}{3} \times \frac{1}{3}$ B. $\frac{2}{3} \div \frac{1}{3}$ C. $\frac{2}{3} \times 3$ D. $\frac{3}{2} \times 3$

74.



Triangle *LMN* is a right triangle, and angles *L* and *N* are equal. What is the measure of angle *L*?

75.



What is the measure of angle z in the figure above?

76. Which of the following expressions has the *greatest* value?

A. $(6 + 6) \cdot 2 \div 3 - 1$ B. $6 + 6 \cdot 2 \div 3 - 1$

C. $6 + 6 \cdot 2 \div (3 - 1)$ D. $6 + 6 \cdot (2 \div 3 - 1)$

77. What is the decimal 0.7 written as a fraction?

78. Nicki's class needs to raise \$89.45 in order to have a pizza party. So far, she has collected \$62.90. How much money does Nicki's class need to buy the pizza party?

79. Yoshi spent $1\frac{1}{3}$ hours reading and $\frac{3}{4}$ hour doing chores. How many total hours did Yoshi spend on these activities?

80. Hector can throw a ball $50\frac{3}{5}$ feet. Lee can throw the same ball $48\frac{1}{3}$ feet. How much farther can Hector throw the ball than Lee?

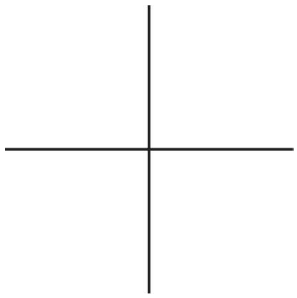
81. Jordan has a machine part that is thirty-two thousandths of an inch thick.

What is thirty-two thousandths written as a decimal?

82. Which of the following pairs of line segments appear to be perpendicular to each other?

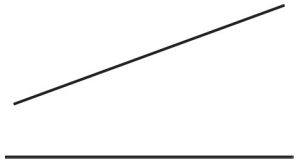
A.

B.



C.

D.



83. Solve this problem

$\$8.56 \div 4 =$

84. The fifth-grade marching band includes boys and girls.

- There are 28 boys in the marching band.
- The 28 boys are $\frac{7}{10}$ of the students in the marching band.

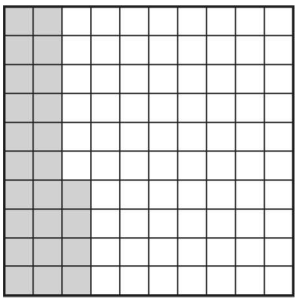
a) What fraction of the students in the marching band are *girls*? Show or explain how you got your answer.

b) What is the total number of students in the marching band? Show or explain how you got your answer.

85. Leah's car has a gasoline tank that holds 20 gallons of gas. On Monday, Leah paid $2.23 per gallon of gas. If gas goes up $0.11 per gallon, how much more will Leah pay for 20 gallons of gas?

86. Use the expression and unit grid below to answer the question.

$0.24 \div 3$



What is the value of the expression?

87. Last month Ms. Paulson deposited three checks in her savings account. The chart below shows the date and amount of each deposit.

Checks Deposited

Date	Amount
June 6	$621.75
June 15	$473.10
June 28	$1,082.90

What was the total amount of the three checks deposited?

88. The floor in Steve's room is shaped like a rectangle.

- It has an area of 168 square feet.
- It has a width of 12 feet.

What is the length of Steve's room?

89. Add:

$$\frac{5}{6} + \frac{3}{4}$$

90. A store has a rectangular parking lot that is 100 feet by 120 feet. What is the perimeter of the parking lot?

91. Robert wants to buy 3 notebooks that cost $1.25 each. How much do the notebooks cost all together, without tax?

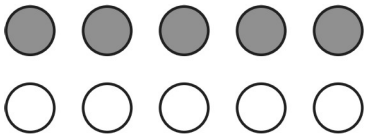
92. Kim sold 315 boxes of cards. The cost of each box of cards was $2.90. Which of the following is the *most reasonable* estimate of the total cost of the boxes of cards Kim sold?

A. $1300 B. $1200 C. $900 D. $600

93. Mario shaded $\frac{1}{5}$ of the shapes in a group.

Which of the following could be Mario's group?

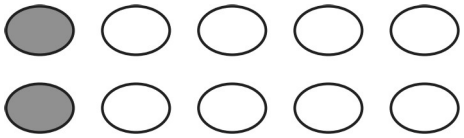
A.



B.

C.

D.



94. In Edward's class, $\frac{18}{24}$ of the students like swimming better than they like running.

What is $\frac{18}{24}$ in **simplest** form?

95. A baker had 1128 cookies. She put them all in bags, with 24 cookies in each bag. What is the total number of bags that she used?

96. The table below shows the cost per bag of different brands of dog food.

Dog Food

Brand	Cost per Bag
Atta Boys	$23.47
Canine Cool	$24.58
Mushies	$25.42
Power Pups	$25.68
Yum-Yums	$33.12

A bag of Yum-Yums dog food costs exactly $8.54 more than which brand?

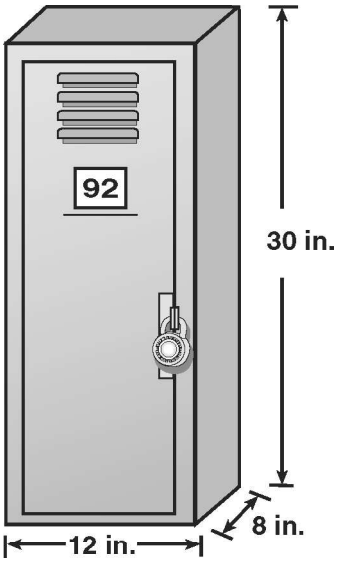
A. Atta Boys B. Canine Cool

C. Mushies D. Power Pups

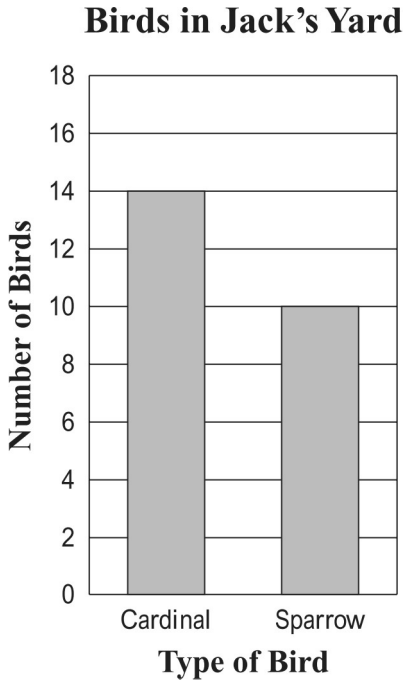
97. Justine scored 58.6 points at a local math competition. Which score is 0.01 points *more* than Justine's?

98. John uses $\frac{2}{3}$ of a cup of oats per serving to make oatmeal. How many cups of oats does he need to make 6 servings?

99. What is the volume, in cubic inches, of the school locker below?



100. Jack counted the numbers of cardinals and sparrows he saw in his yard during one week. His results are displayed in the bar graph below.



What fraction of the birds were sparrows?

101. Which of the following sentences best describes two parallel lines?

A. They meet at exactly one point.

B. They meet at exactly two points.

C. They form a right angle.

D. They are always the same distance apart.

102. Round 14.235 to the nearest tenth.

103. Mr. Chang bought 24 calculators for his class. Each calculator cost $8.67. What was the total cost of the calculators?

104. Olaf and his mother were making pancakes for breakfast. The recipe called for $3\frac{2}{5}$ cups of flour. Which of the following decimals is equivalent to $3\frac{2}{5}$?

A. 3.25 B. 3.4 C. 3.6 D. 3.75

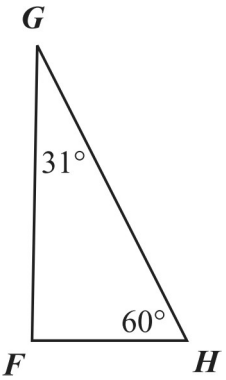
105. The 20 students in Petra's class were assigned to five teams, as shown in the table below.

Teams in Petra's Class

Team	Fraction of Class
red	$\frac{1}{5}$
orange	$\frac{3}{10}$
yellow	$\frac{1}{4}$
green	$\frac{3}{20}$
blue	$\frac{1}{10}$

Which team had the greatest number of students?

106. Triangle *FGH* and two of its angle measures are shown below.



What is the measure of angle *F*?

107. Which of the following is another way to write 10^6?

A. ten thousand

B. one hundred thousand

C. one million

D. ten million

108. John runs $\frac{8}{10}$ mile every day. How many miles does he run in 30 days?

109. The table below shows the number of minutes James swam each day for 5 days.

Minutes James Swam

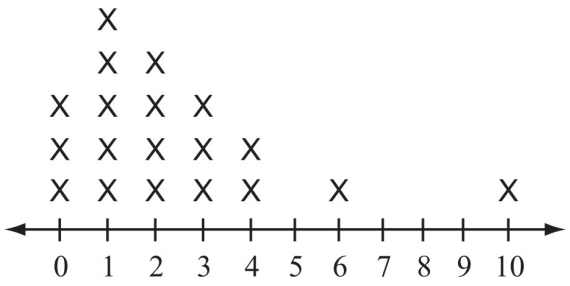
Day	Number of Minutes
Monday	20
Tuesday	25
Wednesday	14
Thursday	25
Friday	11

What is the *mean* (average) number of minutes James swam per day for the 5 days?

110. Daryl drank 4 bottles of water one day. Each bottle held 500 milliliters of water.

What was the total number of liters of water Daryl drank during that day?

111. Ms. Ortega recorded the number of siblings (brothers and sisters) each student in her class has. Her data are shown on the line plot below.



Number of Siblings of Students in Ms. Ortega's Class

What is the total number of students in Ms. Ortega's class who have *2 or fewer* siblings?

112. Which of the following is equivalent to the expression below?

$$5\tfrac{1}{4} - 2\tfrac{1}{2}$$

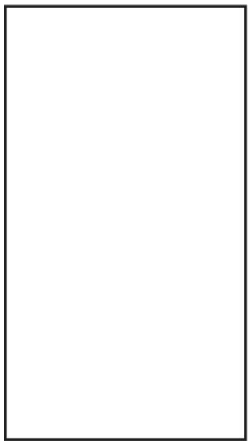
A. $2\frac{1}{2}$ B. $2\frac{3}{4}$ C. $3\frac{1}{4}$ D. $3\frac{1}{2}$

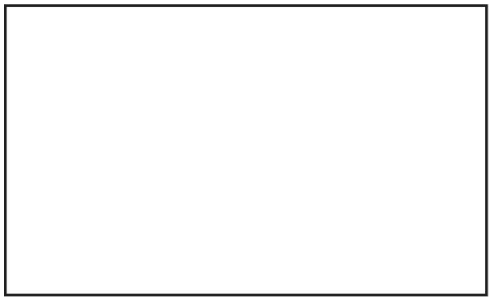
113. Compute: $12.63 - 3.72$

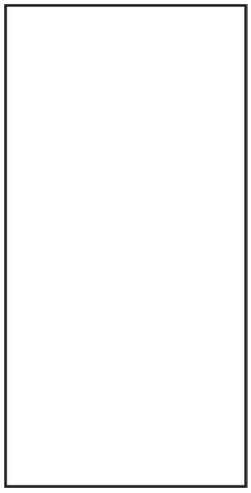
114. Bonnie bought a 13-pound turkey for \$0.85 per pound. How much money did she pay for the turkey?

115. Tracey cut out the shape shown below.

Which of the following shapes is congruent to Tracey's shape?

A. 

B. 

C. 

D. 

116. Which of the following numbers is a common multiple of 6 and 8?

A. 12 B. 16 C. 24 D. 30

117. Compute:

3.52×14

118. $35,705 \div 37 =$

119. Trevor has $4\frac{1}{8}$ pizzas left over from his soccer party. After giving some pizza to his friend, he has $2\frac{4}{8}$ of a pizza left. How much pizza did Trevor give to his friend?

120. Maurice talked on the telephone to two friends. He talked to Sherry for $\frac{1}{4}$ hour, and to Gabriel $\frac{1}{3}$ for hour. How much time did Maurice spend on the telephone?

121. What decimal is equal to $\frac{3}{5}$?

122. In Asad's class, $\frac{4}{5}$ of the students like cake. Of those, $\frac{2}{3}$ like chocolate cake. What fraction of Asad's class likes chocolate cake?

123. Maria has \$7.50 to buy lunch. If she buys a turkey sandwich that costs \$2.75, how much money will she have left?

124. $2\frac{1}{3} + 4\frac{1}{2} =$

125. A basket contains the apples listed below.

- 9 red apples
- 6 yellow apples
- 5 green apples

What fraction of the apples in the basket are yellow?

126. Which of the following is equivalent to the expression below?

$$35,720 + 0$$

A. $35,720 + 490 \times 490$

B. $35,720 + 490 \div 490$

C. $35,720 + 490 + 490$

D. $35,720 + 490 - 490$

127. $12 \div \frac{3}{4}$

128. What is 4.3698 rounded to the nearest thousandth?

129. The area of a backyard would *most* likely be measured in

130. At a school, there are 704 desks to place into 22 classrooms. If the same number of desks is placed in each classroom, how many desks will be in each room?

131. Yuan needs $2\frac{3}{4}$ cups of milk for a recipe.

Which of the following is another way to write $2\frac{3}{4}$?

A. $\frac{9}{4}$ B. $\frac{11}{4}$ C. $\frac{18}{4}$ D. $\frac{23}{4}$

132. Joseph sold 24 tickets to a school play. The tickets cost $7 each.

Which pair of expressions shows two ways to calculate the total cost of the tickets Joseph sold?

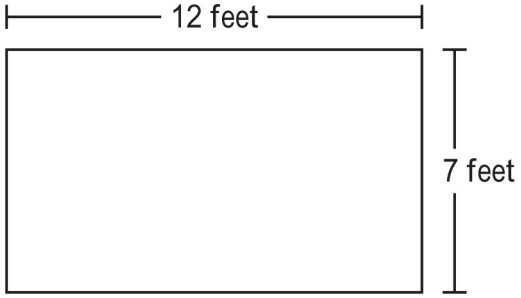
A. 20×7 and 20×4

B. 24×7 and 20×7

C. $(20 \times 7) + (4 \times 7)$ and
$24 + 24 + 24 + 24 + 24 + 24 + 24$

D. $(24 \times 7) + (4 \times 7)$ and $7 + 7 + 7 + 7 + 7 + 7 + 7$

133. Ms. Lindquist bought a rug with the dimensions shown below.



What is the area of the rug?

134. The table below shows the distances four balls rolled off a ramp.

Distances Balls Rolled

Ball	Distance (in meters)
1	10.2
2	10.8
3	10.15
4	10.23

Which of the following shows the distances in order from *greatest* to *least*?

A. 10.8, 10.23, 10.2, 10.15

B. 10.8, 10.2, 10.23, 10.15

C. 10.15, 10.2, 10.23, 10.8

D. 10.23, 10.15, 10.8, 10.2

135. Beth bought *two* new tires for her race car. Each tire cost $74.95. Using front end estimation, estimate how much money she paid for the tires.

136. The total weight of a shipment of 15 boxes was 2250 pounds. Each box had the same weight. How much did 1 box weigh?

137. Write a **mixed number** that is greater than $\frac{12}{4}$ and less than $\frac{15}{4}$.

138. $2\frac{1}{6} + 1\frac{3}{5}$

139. Which of the following is equivalent to the expression below?

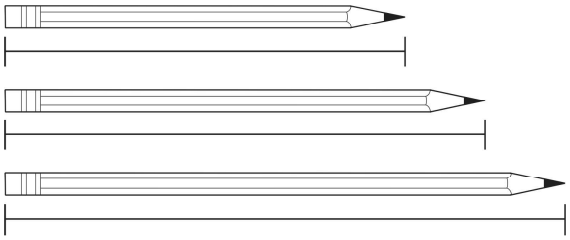
$$(2 \times 1) + (7 \times 0.1) + (5 \times 0.001)$$

A. 2.705 B. 2.750 C. 20.75 D. 27.50

140. Chuck has six pencils. The lengths of three of his pencils are listed below.

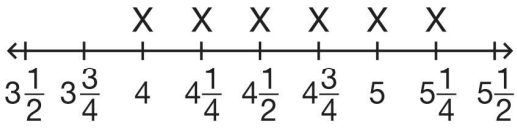
$4\frac{1}{2}$ inches, 5 inches, $4\frac{1}{4}$ inches

The length of Chuck's other three pencils are shown in the diagram below.



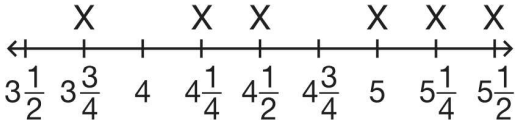
Which line plot shows the lengths, in inches, of Chuck's six pencils?

A.



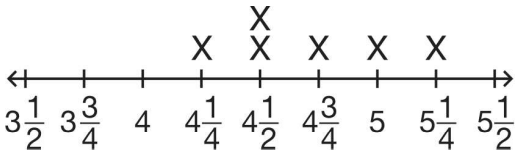
Lengths of Pencils (inches)

B.



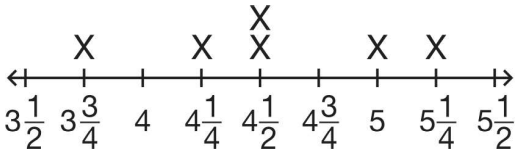
Lengths of Pencils (inches)

C.



Lengths of Pencils (inches)

D.



Lengths of Pencils (inches)

141. Which of the following is equivalent to the expression below?

$$10 \times 10 \times 10 \times 10 \times 10$$

A. 10×4 B. 10×5 C. 10^4 D. 10^5

142. If Mary ran $3\frac{1}{6}$ miles every week for 4 weeks, she would reach her goal for the month. The first day of the first week she ran $1\frac{3}{4}$ miles. How many more miles does she still need to run the first week?

143. What is 6050.287 rounded to the nearest ten?

144. Which of the following is a common factor of 24 and 32?

A. 3 B. 4 C. 12 D. 16

145. What is the volume of a cube that measures 10 inches on each edge?

146. The sales tax for an item is \$0.47. What is the amount of tax rounded to the nearest dime?

147.
$$\begin{array}{r} 39.06 \\ \times \quad 0.3 \\ \hline \end{array}$$

148. There are 12 cans of soda in a cooler; 2 of the cans are cola. If LaTasha pulls 1 can out of the cooler without looking, what is the probability that she will pull out a can of cola?

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1.
Answer: 9.74 inches
Points: 1

2.
Answer: C
Objective: LA N-4-E
Points: 1

3.
Answer: zoo
Objective: MA 5.D.2
Points: 1

4.
Answer: D
Objective: 7.NS.2.2
Points: 1

5.
Answer: y
Points: 1

6.
Answer: 48
Objective: 5.NS.2.4
Points: 1

7.
Answer: C
Points: 1

8.
Answer: $1\frac{1}{4}$
Objective: 5.NS.2.4
Points: 1

9.
Answer: D
Points: 1

10.
Answer:
Objective: MA 5.N.12
Points: 1

11.
Answer: 15
Objective: MA 5.N.10
Points: 1

12.
Answer: 12
Objective: MA 5.N.10
Points: 1

13.
Answer: nine million, fifty thousand, one hundred eighty-three
Objective: MA 5.N.3
Points: 1

14.
Answer: 23.76
Objective: 5.NS.2.1
Points: 1

15.
Answer: C
Objective: MA 5.N.1
Points: 1

16.
Answer: B
Objective: MS 111
Points: 1

17.
Answer: $2\frac{1}{4}$
Objective: 5.NS.2.3
Points: 1

18.
Answer: $\frac{1}{30}$
Objective: 5.NS.2.5
Points: 1

19.
Answer: 10 brownies
Objective: CC 5.NF.6
Points: 1

20.
Answer: D
Objective: MA 5.N.3
Points: 1

21.
Answer: 40
Points: 1

22.
Answer: 6.3
Objective: 5.NS.2.2
Points: 1

23.
Answer: $5 \times 5 \times 5$
Objective: 5.NS.1.3
Points: 1

24.
Answer: point B
Objective: MA 5.N.6
Points: 1

25.
Answer: A
Objective: MA 5.N.10
Points: 1

26.
Answer: 20 friends
Objective: CC 5.NF.7
Points: 1

27.
Answer: $1\frac{1}{2}$
Objective: MA 6.N.9
Points: 1

28.
Answer: B
Objective: MA 5.N.4
Points: 1

29.
Answer: $2\frac{4}{15}$ feet
Objective: 5.NS.2.3
Points: 1

30.
Answer: 6
Objective: 2.NS.4.3
Points: 1

31.
Answer: Four boxes
Objective: M7.3.2
Points: 1

32.
Answer: C
Objective: MA 5.N.14
Points: 1

33.
Answer: B
Objective: MA 5.N.13
Points: 1

34.
Answer: 6.3
Objective: 5.NS.2.2
Points: 1

35.
Answer: B
Objective: MA 3.N.12
Points: 1

36.
Answer: 29°
Objective: 5.MG.2.2
Points: 1

37.
Answer: A
Objective: CC 4.NF.3B
Points: 1

38.
Answer: D
Objective: CC 7.EE.2
Points: 1

39.
Answer: $6\frac{5}{6}$
Objective: 5.NS.2.3
Points: 1

40.
Answer: D
Objective: MA 5.N.8
Points: 1

41.
Answer: 25 miles per gallon
Objective: MA 5.P.6
Points: 1

42.
Answer: $4\frac{1}{2}$ cups
Objective: MA 5.N.9
Points: 1

43.
Answer: $36\frac{1}{4}$ inches
Objective: MA 5.N.13
Points: 1

44.
Answer:
Objective: MA 5.M.1
Points: 1

45.
Answer:
Objective: MA 5.D.1
Points: 1

46.
Answer: 72 inches
Points: 1

47.
Answer: $26.55
Objective: 1-2-1
Points: 1

48.
Answer: $5\frac{5}{8}$ cups
Objective: CC 5.NF.6
Points: 1

49.
Answer:
Points: 1

50.
Answer: B
Objective: CC 4.MD.4
Points: 1

51.
Answer: $\frac{3}{10}$ of the book
Objective: CC 5.NF.2
Points: 1

52.
Answer: 50°
Objective: 5.MG.2.2
Points: 1

53.
Answer: angle *H*
Objective: MA 5.M.2
Points: 1

54.
Answer: four hundred thousand
Objective: MA 5.N.2
Points: 1

55.
Answer: 12 pounds 4 ounces
Objective: MA 5.M.3
Points: 1

56.
Answer: B
Objective: MA 10.N.4
Points: 1

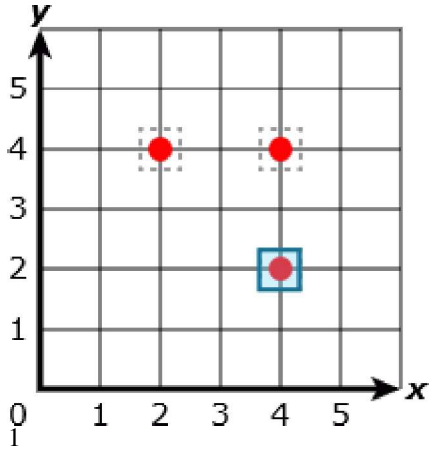
57.
Answer: point *C*
Objective: MA 5.N.6
Points: 1

58.
Answer: C
Objective: PA D.2.1.1
Points: 1

59.
Answer: B
Objective: MA 5.N.14
Points: 1

60.
Answer: 5.75 meters
Objective: 5.NS.2.1
Points: 1

61.
Answer:



Points: 1

62.
Answer: C
Objective: MA 5.N.14
Points: 1

63.
Answer: one-fourth
Objective: MA 5.N.4
Points: 1

64.
Answer: $18.60
Objective: MA 5.N.12
Points: 1

65.
Answer: $13.00
Objective: MA 4.N.10
Points: 1

66.
Answer: 6050
Objective: 5.NS.1.1
Points: 1

67.
Answer: 336 cu in.
Objective: 5.MG.1.3
Points: 1

68.
Answer: from 2000 to 2001
Objective: 5.AF.1.1
Points: 1

69.
Answer: B
Objective: MA 5.N.5
Points: 1

70.
Answer: 8.5
Objective: PA A.3.2.1
Points: 1

71.
Answer: C
Objective: MA 5.N.5
Points: 1

72.
Answer: $\frac{1}{24}$ of the bag
Objective: CC 5.NF.7
Points: 1

73.
Answer: A
Points: 1

74.
Answer: 45°
Objective: 5.MG.2.2
Points: 1

75.
Answer: 102°
Objective: 5.MG.2.2
Points: 1

76.
Answer: C
Objective: MA 10.N.2
Points: 1

77.
Answer: $\frac{7}{10}$
Objective: 5.NS.1.2
Points: 1

78.
Answer: $26.55
Objective: CC 5.NBT.7
Points: 1

79.
Answer: $2\frac{1}{12}$
Objective: 5.NS.2.3
Points: 1

80.
Answer: $2\frac{4}{15}$ feet
Objective: 5.NS.2.3
Points: 1

81.
Answer: 0.032
Objective: MA 5.N.2
Points: 1

82.
Answer: B
Objective: MA 5.G.3
Points: 1

83.
Answer:
Points: 1

84.
Answer:
Objective: MA 5.N.4
Points: 1

85.
Answer: $2.20
Points: 1

86.
Answer: 0.08
Objective: CC 5.NBT.7
Points: 1

87.
Answer: $2,177.75
Objective: MA 4.N.10
Points: 1

88.
Answer: 14 feet
Objective: MA 5.M.1
Points: 1

89.
Answer: $1\frac{7}{12}$
Objective: CC 5.NF.1
Points: 1

90.
Answer: 440 feet
Objective: 5.MG.1.4
Points: 1

91.
Answer: $3.75
Objective: 5.NS.2.1
Points: 1

92.
Answer: C
Objective: MA 7.P.1
Points: 1

93.
Answer: D
Objective: MA 5.N.4
Points: 1

94.
Answer: $\frac{3}{4}$
Objective: MA 5.N.13
Points: 1

95.
Answer: 47
Objective: MA 5.N.12
Points: 1

96.
Answer: B
Points: 1

97.
Answer: 58.61
Points: 1

98.
Answer: 4
Objective: 7.NS.1.2
Points: 1

99.
Answer: 2880
Objective: 5.MG.1.3
Points: 1

100.
Answer: $\frac{10}{24}$
Objective: MA 5.D.2
Points: 1

101.
Answer: D
Objective: MA 5.G.3
Points: 1

102.
Answer: 14.2
Objective: CC 5.NBT.3
Points: 1

103.
Answer: $208.08
Points: 1

104.
Answer: B
Points: 1

105.
Answer: orange
Objective: MA 5.N.7
Points: 1

106.
Answer: 89°
Objective: MA 5.M.5
Points: 1

107.
Answer: C
Objective: MA 5.N.1
Points: 1

108.
Answer: 24
Objective: 5.NS.2.5
Points: 1

109.
Answer: 19
Objective: MA 5.D.1
Points: 1

110.
Answer: 2 liters
Objective: MA 5.M.3
Points: 1

111.
Answer: 12
Objective: MA 5.D.2
Points: 1

112.
Answer: B
Objective: MA 5.N.13
Points: 1

113.
Answer:
Objective: MA 5.N.12
Points: 1

114.
Answer: $11.05
Objective: MA 6.N.13
Points: 1

115.
Answer: C
Objective: MA 5.G.7
Points: 1

116.
Answer: C
Objective: MA 5.N.8
Points: 1

117.
Answer: 49.28
Objective: MA 5.N.12
Points: 1

118.
Answer: 965
Objective: 5.NS.2.2
Points: 1

119.
Answer: $1\frac{5}{8}$ pizzas
Objective: CC 4.NF.3
Points: 1

120.
Answer: $\frac{7}{12}$ hour
Objective: 5.NS.2.3
Points: 1

121.
Answer: 0.60
Objective: 5.NS.1.2
Points: 1

122.
Answer: less than $\frac{2}{3}$
Points: 1

123.
Answer: $4.75
Objective: 5.NS.2.1
Points: 1

124.
Answer: $6\frac{5}{6}$
Objective: 5.NS.2.3
Points: 1

125.
Answer:
Objective: MA 5.N.4
Points: 1

126.
Answer: D
Objective: MA 5.N.11
Points: 1

127.
Answer: 16
Objective: 5.NS.2.4
Points: 1

128.
Answer: 4.3700
Objective: CC 5.NBT.4
Points: 1

129.
Answer: square feet.
Objective: 5.MG.1.4
Points: 1

130.
Answer: 32
Objective: 5.NS.2.2
Points: 1

131.
Answer: B
Objective: MA 5.N.5
Points: 1

132.
Answer: C
Objective: MS 1c2
Points: 1

133.
Answer: 84 square feet
Objective: MA 5.M.1
Points: 1

134.
Answer: A
Objective: MA 5.N.7
Points: 1

135.
Answer: $200.00
Objective: M3.2.1
Points: 1

136.
Answer: 150 pounds
Objective: MA 5.N.12
Points: 1

137.
Answer: Any mixed number greater than 3 and less than $3\frac{3}{4}$
Objective: MA 5.N.7
Points: 1

138.
Answer: $3\frac{23}{30}$
Points: 1

139.
Answer: A
Objective: MA 5.N.3
Points: 1

140.
Answer: D
Objective: CC 3.MD.4
Points: 1

141.
Answer: D
Objective: MA 5.N.1
Points: 1

142.
Answer: $1\frac{5}{12}$ miles
Objective: CC 5.NF.2
Points: 1

143.
Answer: 6050
Objective: 5.NS.1.1
Points: 1

144.
Answer: B
Objective: MA 5.N.8
Points: 1

145.
Answer: 1000 cubic inches
Objective: 5.MG.1.3
Points: 1

146.
Answer: $0.50
Objective: 4.NS.2.2
Points: 1

147.
Answer: 11.718
Objective: 5.NS.2.1
Points: 1

148.
Answer: 1 in 6
Points: 1