Envision Packet

Name: _____ **Date:** _____

1. Divide the following.

   $7\overline{)861}$

2. What number makes this a true number statement?

   $\frac{4}{7} = \frac{\quad}{28}$

3. Which of these shows $\frac{24}{48}$ expressed in lowest terms?

   A. $\frac{1}{3}$ B. $\frac{1}{2}$ C. $\frac{6}{12}$ D. $\frac{12}{24}$

4. In Lisa's class, $\frac{2}{3}$ of the students are girls.

   Write a different fraction that is equal to $\frac{2}{3}$.

5. A hardware store sells boxes of nails. The nails are $\frac{5}{8}$, $\frac{9}{16}$, $\frac{3}{4}$, and $\frac{1}{2}$ inch in length. If the boxes of nails are to be arranged by nail size from least to greatest, which of the following is the correct order?

   A. $\frac{1}{2}$, $\frac{3}{4}$, $\frac{5}{8}$, $\frac{9}{16}$ B. $\frac{1}{2}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{3}{4}$

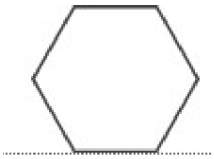
   C. $\frac{3}{4}$, $\frac{5}{8}$, $\frac{9}{16}$, $\frac{1}{2}$ D. $\frac{3}{4}$, $\frac{9}{16}$, $\frac{5}{8}$, $\frac{1}{2}$

6. Which fraction belongs in the box to make the number sentence true?

   $\square > \frac{2}{3}$

7. There are two cakes on the counter that are the same size. The first cake has $\frac{1}{2}$ of it left. The second cake has $\frac{5}{12}$ left. Which cake has more left?

8. This figure represents 1 whole. Which of the following is equal to $\frac{1}{3}$?



A. 

B. 

C. 

D. 

9. Match the following fractions to the equivalent mixed or whole numbers.

_____ $\frac{6}{3}$ a. $1\frac{4}{5}$

_____ $\frac{18}{4}$ b. 2

_____ $\frac{9}{5}$ c. 4

_____ $\frac{24}{6}$ d. $4\frac{1}{2}$

_____ $\frac{17}{4}$ e. $4\frac{1}{4}$

_____ $\frac{11}{3}$ f. $8\frac{2}{5}$

_____ $\frac{42}{5}$ g. $3\frac{2}{3}$

10. Solve. Simplify if necessary.

$13\frac{1}{2} + 4\frac{1}{2} =$

11. $\frac{2}{3} + \frac{1}{5} =$

12. $2\frac{1}{6} + 1\frac{3}{5}$

13. Solve. Simplify if necessary.

$7\frac{5}{9} - 2\frac{2}{9} =$

14. $\frac{11}{12} - \frac{3}{8} =$

15. Find the answer to the problem below.

$\frac{7}{8} - \frac{3}{5} =$

16. Subtract (−)

$$\begin{array}{r} 11 \\ -\ 1\frac{2}{3} \\ \hline \end{array}$$

17. What is the solution to the following problem, in lowest terms?

$\frac{1}{8} \times \frac{5}{7} =$

18. $\frac{3}{4} \times 3 =$

19. What is the value of the expression below?

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

20. Multiply: $3\frac{1}{2} \times 4\frac{2}{3}$

21. What is the value of the expression?

$\frac{3}{7} \div \frac{3}{4}$

22. $12 \div \frac{3}{4}$

23. $6\frac{2}{7} \div 2\frac{3}{4} =$ _____

24. Solve.

$\$8.06 + \$9.95 =$ _____

25. $8.6 + 7.54 + 9.38 =$

26. Which means the same as $4 + 0.3 + 0.01$?

27. What is the solution to the equation?

$7400.05 - 526.175 =$

28. Calculate the difference:

$5.4 - 0.8$

29. $11.3 \times 2.7 =$

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

31. (0.5)(0.5)(0.5) is equal to which of the following?

A. 0.000125 B. 0.00125

C. 0.125 D. 1.25

32. $15.12 \div 2.4 =$

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

34. Estimate the product of these numbers by first rounding to the nearest ten.

$49 \times 12 =$

35. What is the solution to the equation?

$3 \times 10 + (9 \times 2) =$

36. $12 \div (4 + 2) =$

37. $8 + 8 \div 2 + 2 =$

38. What is the value of the expression below?

$$\frac{15(4 + 8)}{2(2 + 1) - 1}$$

39. Look at the expression below.

$12 + 4 \times (12 - 9)$

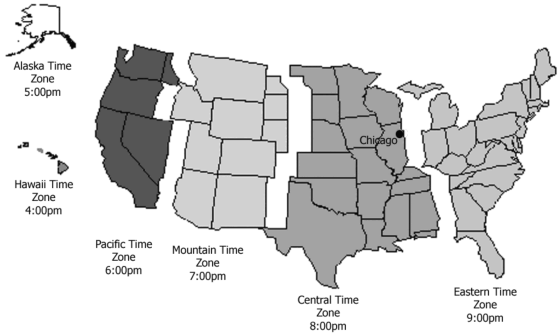
What is the value of the expression?

40. School starts at 9:00 amand ends at 3:35 pm. How long is the school day in hours and minutes?

41. Margaret left school at 3:40 pm. She arrived home at the time shown on the clock below.

How long did it take Margaret to get home from school?

42.



Jon lives in Alaska, which uses Alaska Standard Time. He wants to call his Grandmother to wish her a 'Happy Birthday.' She lives in Chicago, Illinois, which uses Central Standard Time. If he calls his grandmother at 11:15 AM Alaska time, what time will his grandmother receive the call in Chicago?

43. How much change would you get back if you bought a book for $5.85 and paid for it with a ten dollar bill?

44. The cashier gave Ben 3 five-dollar bills, 1 quarter, 2 dimes, and 1 penny in change. How much change did Ben receive?

45. Convert the following:

$6\frac{1}{3}$ yd = _____ ft

46. Convert the following:

2.5 ft = _____ in

47. Convert the following:

10 ft = _____ yd

48. Helen is 62 inches tall. Which of the following is another way to represent 62 inches?

A. 5 feet
B. 5 feet 2 inches
C. 5 feet 6 inches
D. 6 feet 2 inches

49. Convert the following:

10.5 m = _____ cm

50. Convert the following:

2.4 km = _____ m

51. There are 1,000 meters in 1 kilometer. How many meters are in 5 kilometers?

52. Greg is 150 centimeters tall. How many meters is that?

53. Which of the following distances is the *longest*?

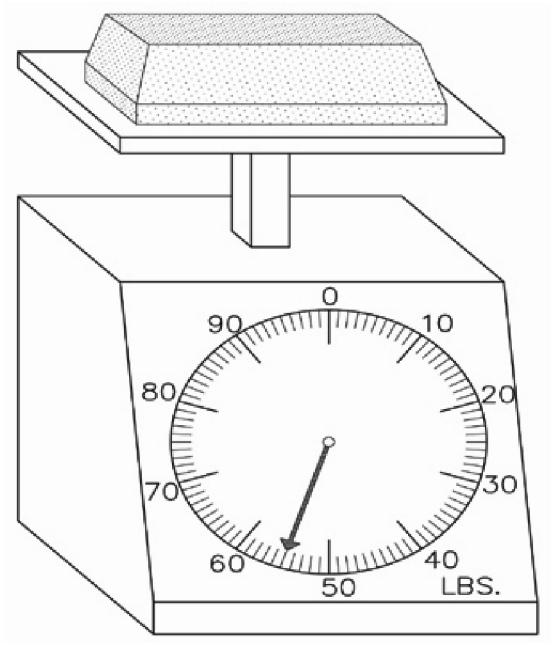
A. 2 kilometers
B. 500 centimeters
C. 2,300 meters
D. 25,000 millimeters

54. How much does this rubber ducky weigh in grams if it weighs .253 kg? (1,000 gram=1 kilogram)

55. In science class, Cyans model boat held 2817 grams of marbles before it sank. How many kilograms of marbles did Cyans boat hold?

56. How many ounces of bananas are there if they weigh 9 pounds? (16 oz = 1 pound)

57. The scale shows that the gold bar weighs 55 lbs.



How many ounces does the gold bar weigh?

58. A recipe calls for 4 ounces of butter. How many pounds of butter is 4 ounces?

59. A pickup truck weighs 3 tons. How many pounds does the truck weigh?

60. Karen filled a pitcher with 1800 milliliters of water. How many liters is that?

61. Paco is filling his fish tank with water.

Which container should Paco use to make the fewest trips to the faucet?

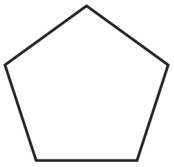
A. one-cup container

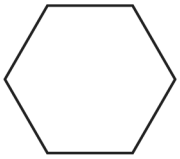
B. one-gallon container

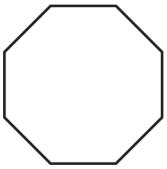
C. one-pint container

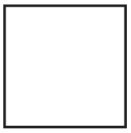
D. one-quart container

62. Which of the following shapes is a hexagon?

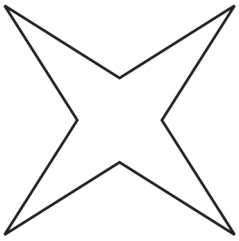
A. 

B. 

C. 

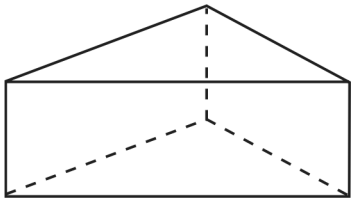
D. 

63. The figure below is what shape?



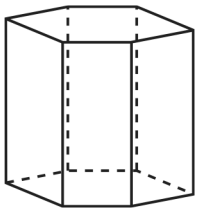
64. Lily designed the package below to hold the bars of soap she makes.

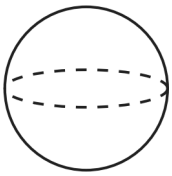
Lily's Package

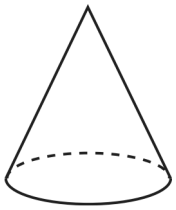


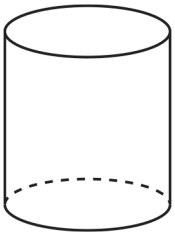
What is the shape of Lily's package?

65. Sarah keeps her pencils in a container that is in the shape of a cylinder. Which shows a cylinder?

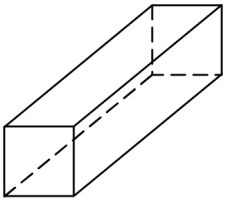
A. 

B. 

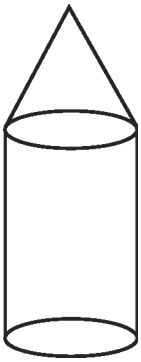
C. 

D. 

66. What type of solid figure is represented by the drawing below?



67. Which shapes make up this solid object?



A. cone and cylinder

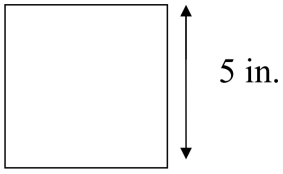
B. circle and triangle

C. triangle and cylinder

D. rectangle, triangle, and circle

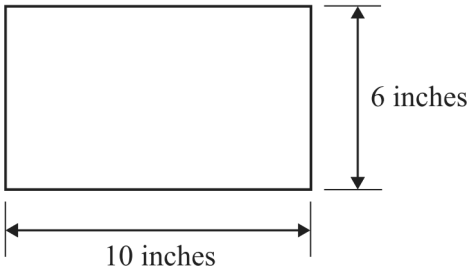
68. Find the perimeter of this square.

Perimeter = _____



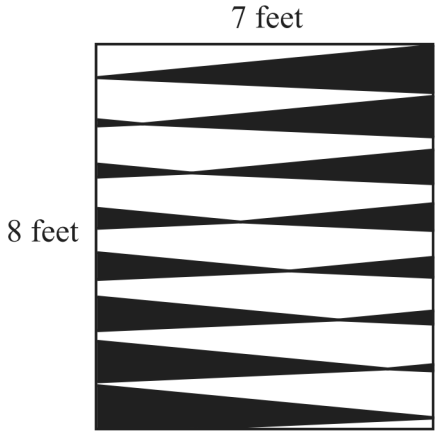
69. Blake made the picture frame below.

Blake's Picture Frame



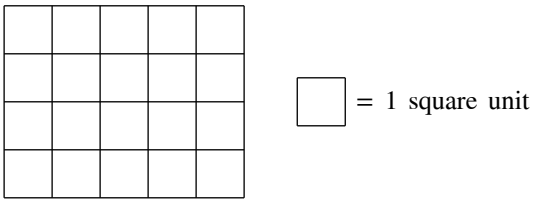
Blake glued string that went once around the outside edge of the frame. What length of string did he use?

70. Rebecca made the rectangular blanket shown below.

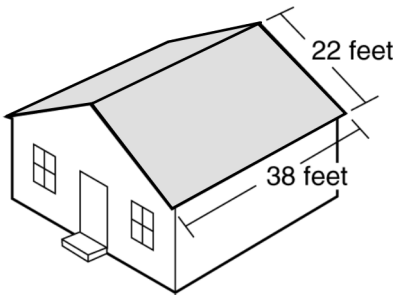


What is the area of the blanket?

71. What is the area of this rectangle in square units?

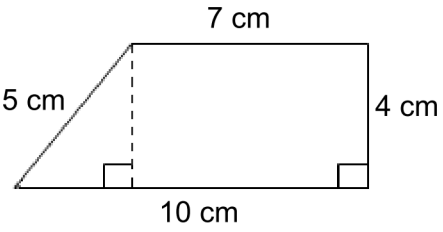


72. The roof on a house is going to be shingled at a cost of $125 for every 100 square feet. A diagram of the house is shown below.



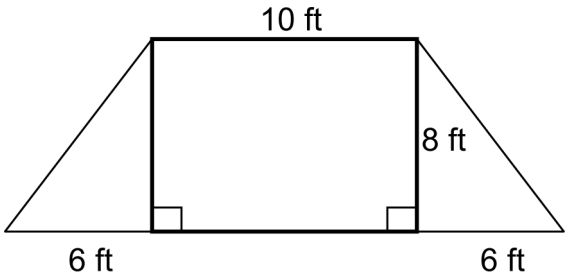
What will the cost be for shingling the *entire* roof?

73. Look at the figure below.



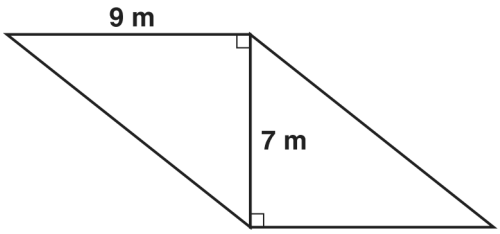
What is the total area of the figure?

74. Look at the figure below.

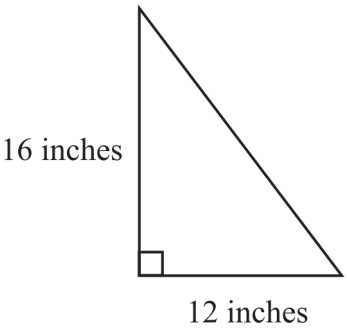


What is the total area of the figure?

75. What is the area, in square meters, of the parallelogram below?

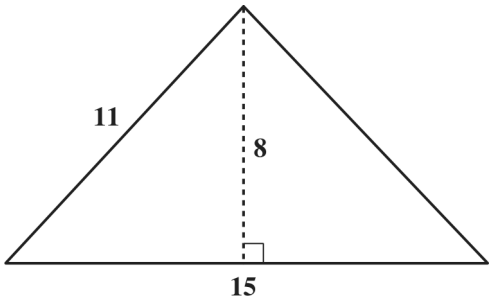


76. A triangle is shown below.



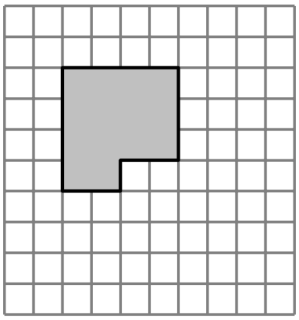
What is the area of the triangle in square inches?

77.



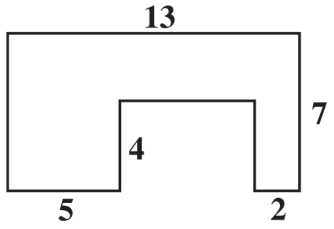
What is the area of the triangle shown above?

78. What is the area of the shaded figure on the grid below?



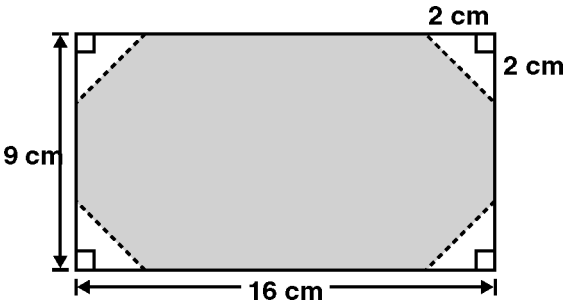
☐ is one square unit

79.



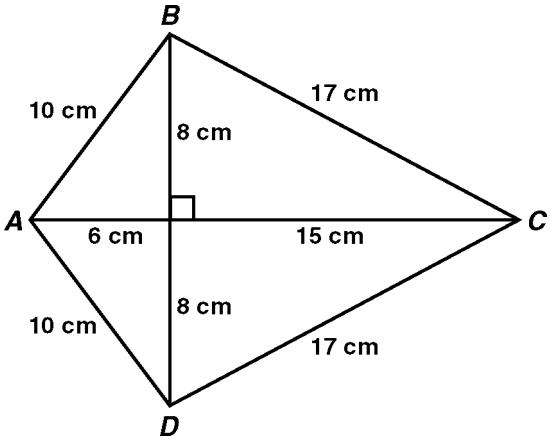
In the figure shown above, all the corners form right angles. What is the area of the figure in square units?

80. Cherie cut four congruent triangles off the corners of a rectangle to make an octagon, as shown below.



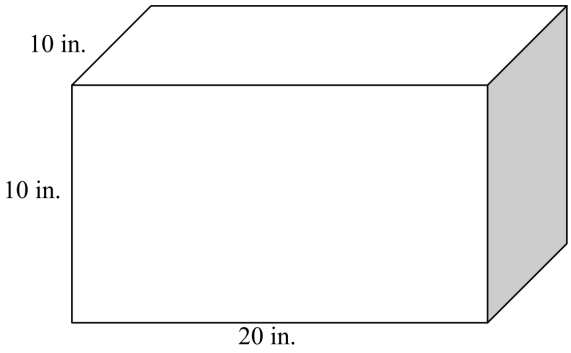
What is the area of the shaded octagon?

81. Figure *ABCD* is a kite.

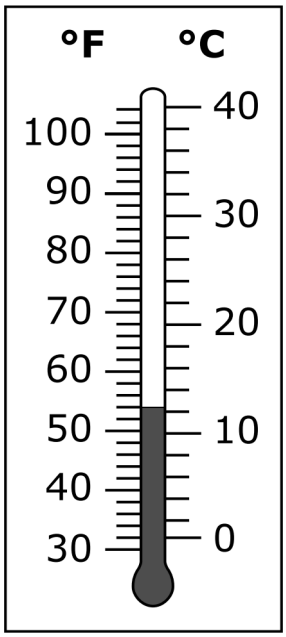


What is the area of figure *ABCD*, in square centimeters?

82. Find the volume of the rectangular prism below.



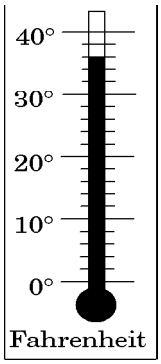
83. A thermometer is shown.



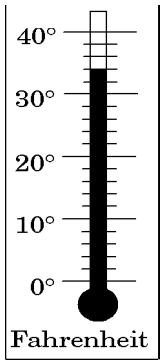
What temperature is shown on the thermometer?

84. Susie brings her plants inside if the temperature falls to 32°F. Which thermometer tells Susie that she needs to bring in her plants?

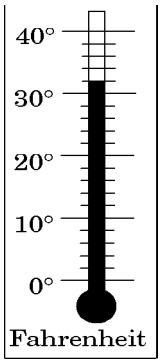
A.



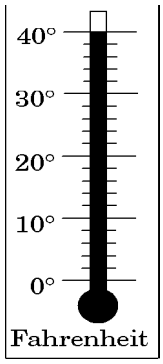
B.



C.



D.



85. What is the sum of $-15 + 18$?

86. What is the product of $3(-16)$?

87. What is the value of the expression below?

$-3(-4)$

88. What is the quotient when 51 is divided by -17?

89. Which expression has a value of -3?

90. What is the solution to the equation?

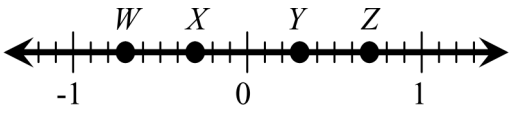
$$\frac{12(-3)+4}{4} =$$

91. Simplify: $-36 \div (4)$

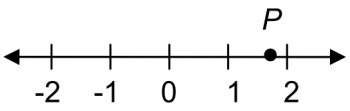
92. Solve:

$27 - (-9)$

93. Which point is located closest to $-\frac{7}{10}$ on the number line below?

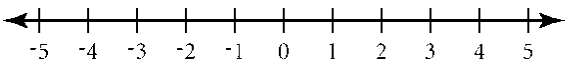


94. Look at the number line.

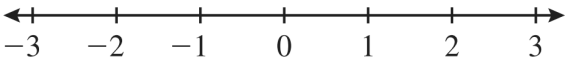


Which value does *P best* represent?

95. Mark an X on the number line at $-\frac{1}{2}$.



96. Marta is plotting points on the number line below.



Between which two numbers should Marta plot $-2\frac{1}{2}$?

97. Order the numbers from greatest to least:

0.10; 99,989; 6.281; 9.0987

98. Which of the following fractions is *greater than* $\frac{8}{17}$?

A. $\frac{3}{17}$ B. $\frac{6}{17}$ C. $\frac{7}{17}$ D. $\frac{10}{17}$

99. Which list of numbers is ordered from *least* to *greatest*?

A. $\frac{1}{2}$, $2\frac{1}{2}$, 0.2, 0.02 B. 0.02, 0.2, $2\frac{1}{2}$, $\frac{1}{2}$

C. 0.02, 0.2, $\frac{1}{2}$, $2\frac{1}{2}$ D. 0.2, $\frac{1}{2}$, 0.02, $2\frac{1}{2}$

100. Which expression has the *smallest* value?

A. $|-19|$ B. $|-34|$ C. $|11|$ D. $|47|$

101. Which of the following numbers is *not* equivalent to 40%?

A. 0.04 B. 0.40 C. $\frac{2}{5}$ D. $\frac{4}{10}$

102. Which choice is greater than $\frac{3}{4}$?

A. 0.83 B. 0.34 C. 0.55 D. 0.74

103. Which of the following numbers is the greatest?

A. $6\frac{1}{2}$ B. 6.3 C. 610% D. 6.4

104. **Use the numbers below to answer the question.**

$4.3 \quad 4\frac{1}{2} \quad 4\frac{1}{3} \quad 4.45 \quad 4\frac{2}{5}$

What is the order of the numbers from *least* to *greatest*?

105. What is the solution to the expression?

$3 - 4\left(\frac{1}{2}\right) + 7$

106. What is the value of $\left(\frac{1}{8}\right)^2$?

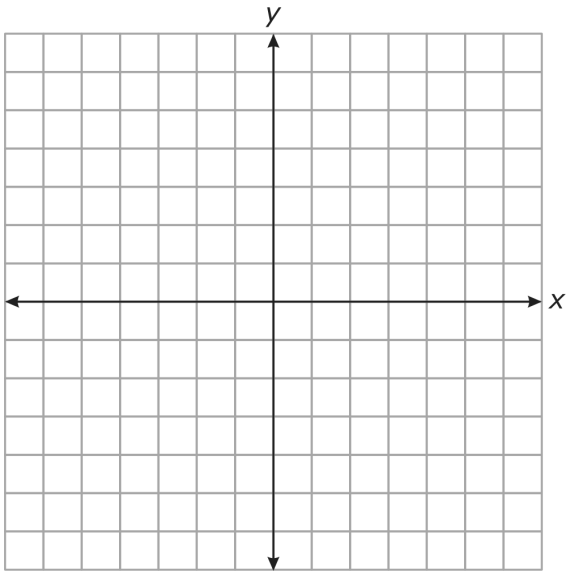
107. Solve: $\left(\frac{1}{3}\right)^3$

108. $3^2 + 5^3 =$ ____

109. What is the value of the expression below?

$27 - (9 - 6)^2 \times 3$

110. Which point is located in quadrant II of the coordinate plane?



A. $(3, -4)$ B. $(-3, 4)$

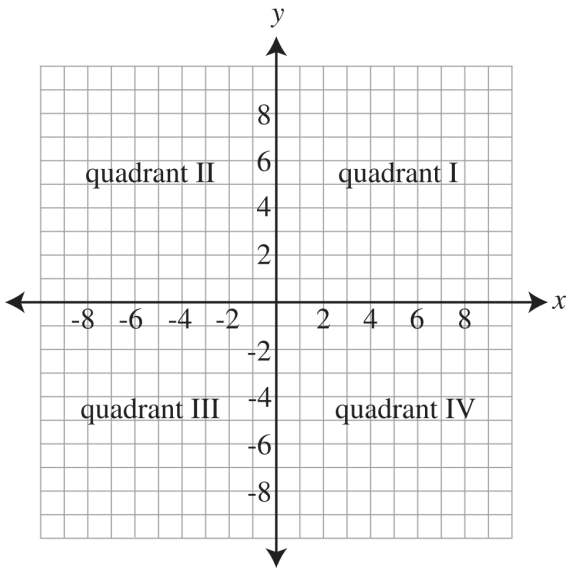
C. $(3, 4)$ D. $(-3, -4)$

111. In which quadrant is point $(-2, 5)$ located?

A. Quadrant I B. Quadrant II

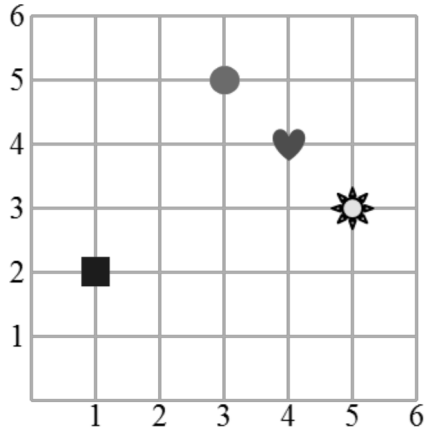
C. Quadrant III D. Quadrant IV

112. A coordinate plane is shown below.



In which quadrant is the point $(-3, -5)$ located?

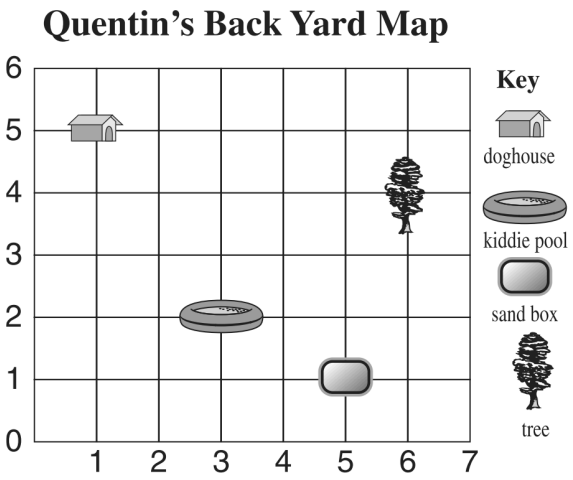
113.



Which ordered pair indicates the location of the circle?

A. $(3, 5)$ B. $(5, 3)$ C. $(5, 5)$ D. $(2, 1)$

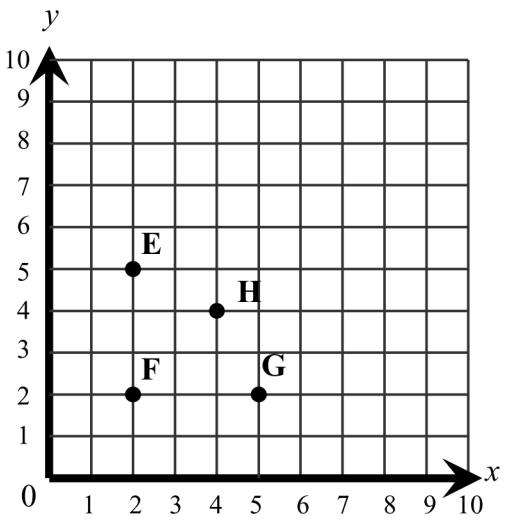
114. For a school project, Quentin had to make a grid map of his back yard. His map looked like this:



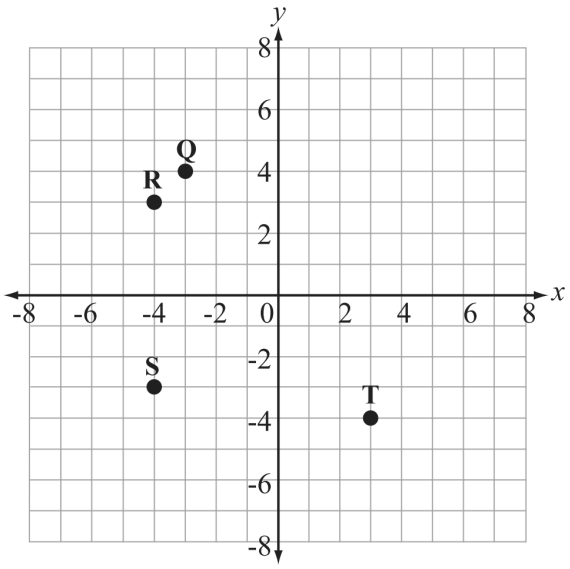
Which ordered pair gives the location of the doghouse?

A. $(6, 4)$ B. $(5, 1)$ C. $(3, 2)$ D. $(1, 5)$

115. Which of the following appears to be at $(5, 2)$ on the grid?

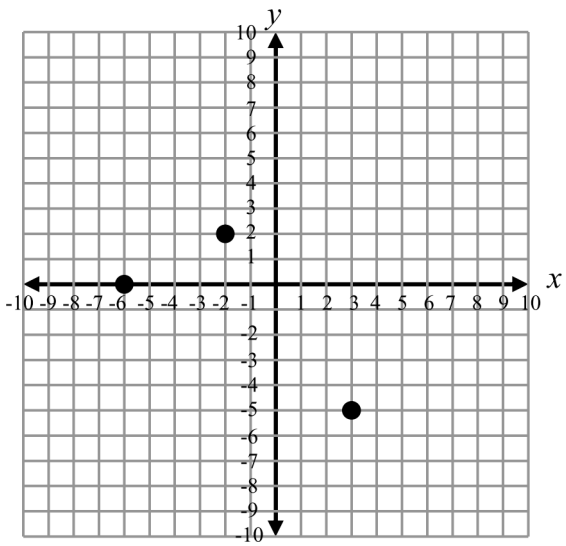


116. Aleta was completing a puzzle picture by connecting ordered pairs of points. Her next point is $(-4, 3)$.



Which point is located at $(-4, 3)$?

117. Which of the following *best* represents the coordinates of the points shown on the grid below?



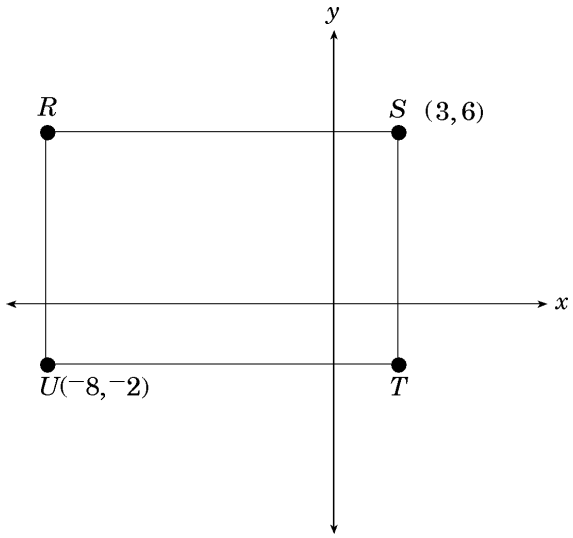
A. $(-3, -5),\ (0, -6),\ (2, 2)$

B. $(-5, 3),\ (0, -6),\ (2, -2)$

C. $(3, -5),\ (-6, 0),\ (-2, 2)$

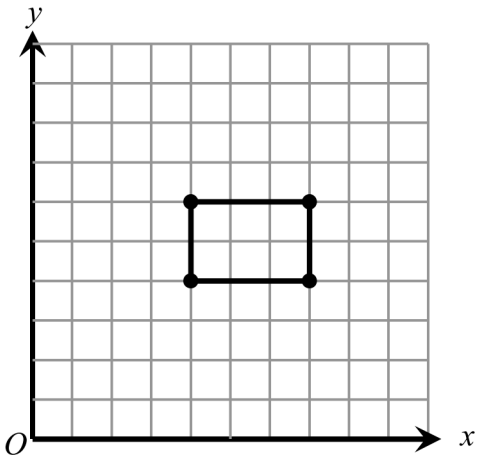
D. $(3, -5),\ (0, 6),\ (-2, -2)$

118. If *RSTU* is a rectangle, what are the coordinates of point *R*?

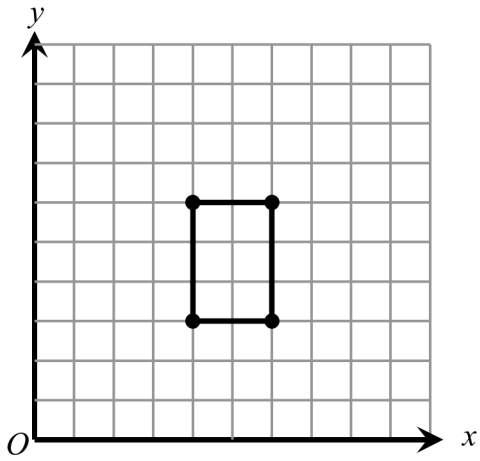


119. Norma will use the grid to plot the ordered pairs $(3, 4)$, $(4, 6)$, $(7, 6)$, and $(8, 4)$. If she connects the four points with line segments, which figure will represent her drawing?

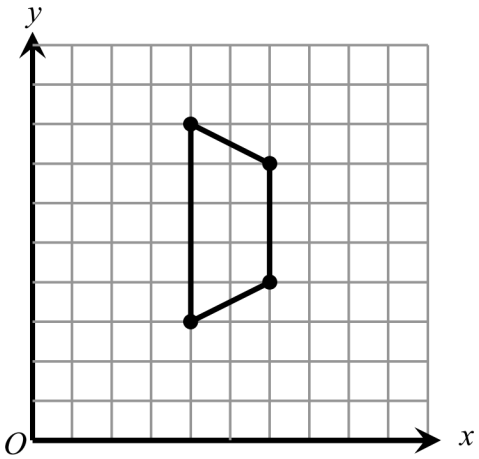
A.



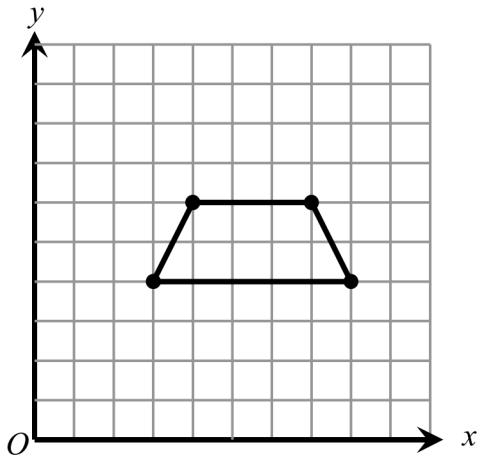
B.



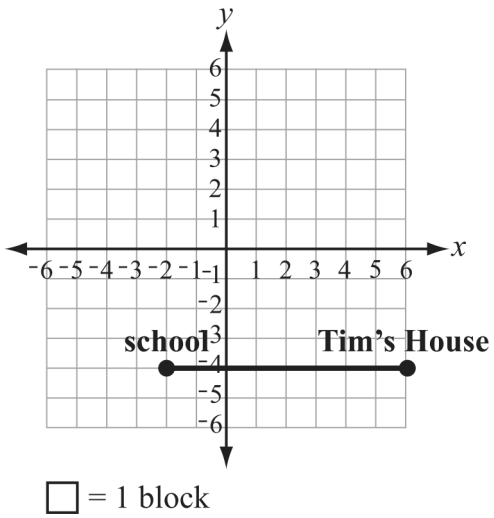
C.



D.

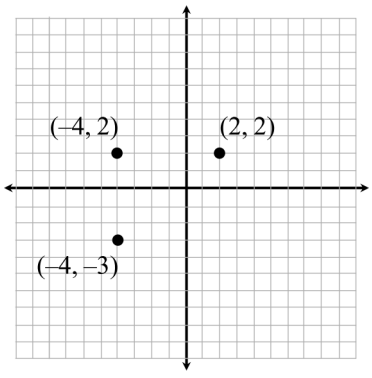


120. Tim walks straight to school each day using the route shown on the grid below.

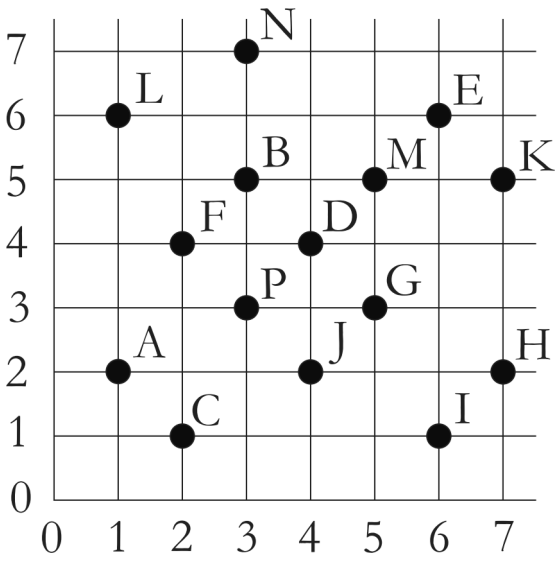


How many blocks does Tim walk on the way to school?

121. If the points on the coordinate plane below are the three vertices of a rectangle, what are the coordinates of the fourth vertex? How do you know? What are the length and width of the rectangle?



122. Use the coordinate grid below to answer the following question.



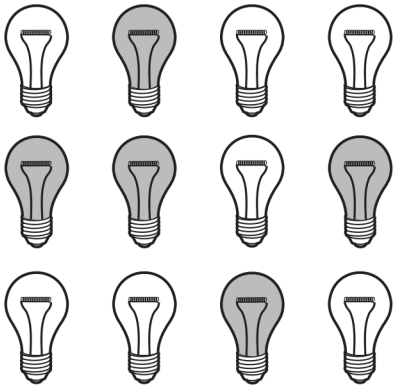
Using the coordinate grid above, a fifth grader spelled his name like this:

(4, 2) (1, 2) (2, 1) (7, 5)

What is his name?

123. The model below represents the number of lightbulbs in Katie's home.

Lightbulbs

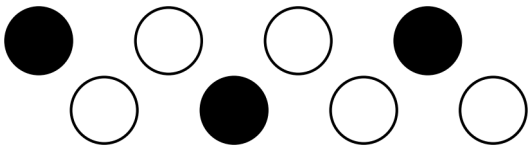


The shaded lightbulbs represent the number of lightbulbs that are burnt out. Which ratio is equivalent to the ratio of burnt-out lightbulbs to working lightbulbs?

A. 5 : 12 B. 7 : 12 C. 5 : 7 D. 7 : 5

124. In a group of 20 students, there are 11 girls. What is the ratio of boys to girls?

125. This diagram represents Melvin's marble collection.



What is the ratio of black marbles to total marbles?

126. If Helen travels 567 miles in 9 hours, how far does she travel in one hour?

127. Give the unit rate of the following:

If 15 lbs. of chicken cost $56.85, what is the cost of one pound?

128. A factory uses 220,000 gallons of water to produce 2 tons of steel. How many gallons of water are needed to produce 1 pound of steel?

129. A snail traveled 2 feet in 90 minutes. How far would it travel in 6 hours?

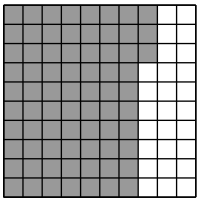
130. Ed saves 25% of his allowance. Which picture is 25% shaded?

A. 

B. 

C. 

D. 

131. 

Which percent names the amount of the grid that is shaded?

132. Choose the number sentence that means "2 more than 2 times a number."

133. Lindsay has eight more stickers than Whitney.

W represents the number of stickers Whitney has.

Which expression represents the number of stickers Lindsay has?

A. $W - 8$ B. $W + 8$ C. $W \times 8$ D. $W \div 8$

134. Which of the following expressions represents a number (n) less than 12?

A. $n - 12$ B. $12 - n$

C. $n + 12$ D. $12 + n$

135. Which expression represents the product of n and 25?

A. $25n$ B. $25 - n$

C. $25 + n$ D. $25 \div n$

136. The Sojourn family went on a vacation. They started with \$2000. If they spent \$150 each day, which expression represents how much money they had after x days?

A. $1850x$ B. $2000 - 150x$

C. $150x$ D. $2000 + 150x$

137. Write an expression:

7 more than 3 times a number

138. The cost for labor at a car repair center is shown in the table below.

Car Repair Costs

Hours	Total Cost
1	\$60
2	\$120
3	\$180
4	\$240

Based on the data in the table, which of the following expressions represents the total cost, in dollars, of a repair that requires h hours of labor?

A. $h + 60$

B. $h - 60$

C. $h \times 60$

D. $h \div 60$

139. Which expression below has been simplified using the correct procedure?

A. $2 + 4(x + 2)$
$2 + 4x + 8$
$4x + 10$

B. $2 + 5(x - 7)$
$7(x - 7)$
$7x - 49$

C. $4 - 7(x + 5)$
$4 - 7x + 5$
$-7x + 9$

D. $7 - 3(x - 5)$
$7 - 3x - 15$
$-3x - 8$

140. Apply properties of operations to $y + y + y$.

141. Combine Like Terms:

$-3k - 8k$

142. If $t = 11$ and $s = 5$, evaluate the following expression: $3t - 5s$

143. What are 2 factors that 15 and 24 have in common?

144. Which are the common factors of 12 and 16?

A. $\{1, 2, 4\}$

B. $\{1, 2, 3, 4, 8\}$

C. $\{1, 2, 4, 6, 8\}$

D. $\{1, 2, 3, 4, 6, 8\}$

145. Which list shows all factors of 72?

A. 1, 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72

B. 2, 3, 4, 6, 8, 9, 12, 18, 24, 36, 72

C. 1, 2, 3, 4, 8, 9, 18, 24, 36, 72

D. 2, 3, 4, 6, 8, 9, 12, 18, 24, 36

146. Which number is a common factor of 36 and 56?

A. 4 B. 6 C. 8 D. 9

147. Marilyn wrote two factors of 300.

Which could be the numbers she wrote?

A. 2, 9 B. 5, 7 C. 6, 8 D. 6, 10

148. Which is the greatest common factor (GCF) of 36 and 78?

A. 4 B. 6 C. 9 D. 13

149. What is the greatest common factor of 12 and 28?

150. What is the greatest common factor of 45 and 60?

151. Which number is a multiple of 6?

A. 16 B. 28 C. 42 D. 56

152. Which is a common multiple of 3 and 5?

A. 3 B. 5 C. 10 D. 15

153. What is the least common multiple (LCM) of 4 and 14?

154. What is the least common multiple of 18 and 40?

155. All of the numbers Cindy wrote in the box shown below are even numbers *and* multiples of 3.

6	36
12	24

Which of the following is also an even number *and* a multiple of 3?

A. 13 B. 21 C. 26 D. 30

156. Given the following clues, which of the following could be the mystery number?

Clues:

1. It is an odd number.
2. It is a multiple of 3.
3. It is divisible by 5.

A. 25 B. 30 C. 33 D. 45

157. Which is a prime number?

A. 15 B. 17 C. 21 D. 39

158. Which list shows all of the prime numbers between 0 and 22?

A. 1, 3, 5, 7, 11, 13, 19

B. 2, 3, 5, 7, 11, 13, 17, 19

C. 2, 4, 6, 8, 10, 12, 14, 15, 16, 18, 20, 21

D. 1, 2, 4, 6, 8, 9, 10, 12, 14, 15, 16, 18, 20, 21

159. Which of these numbers is a prime number?

A. 6 B. 27 C. 67 D. 81

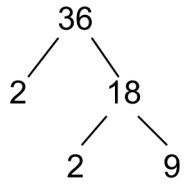
160. Which of these numbers is the greatest prime number less than 70?

A. 69 B. 67 C. 59 D. 57

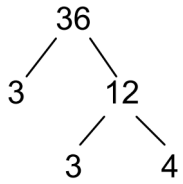
161. What is the prime factorization of 200?

162. What is the prime factorization of 400?

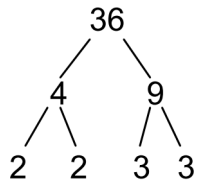
163. Which diagram represents the prime factorization of 36?

A. 

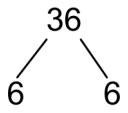
$2^2 \cdot 9$

B. 

$3^2 \cdot 4$

C. 

$2^2 \cdot 3^2$

D. 

$6 \cdot 6$

164. Write 84 as a product of prime numbers.

165. List the factors of the following two numbers, then circle the Greatest Common Factor.

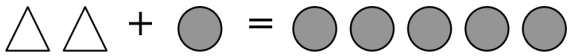
48

36

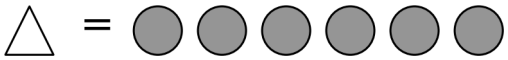
166. List at least five multiples of each number, then circle the Least Common Multiple.

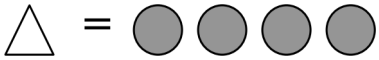
6

5

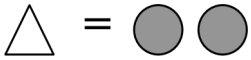
167. If 

Then

A. 

B. 

C. 

D. 

168.

Input	Output
1	3
2	6
3	9
4	?

What is the rule used in the table above?

169. Solve each of the unknowns in the equations below:

$4 \cdot n = 672$

170. Solve each of the unknowns in the equations below:

$x - 76 = 102$

171. Solve each of the unknowns in the equations below:

$750 + y = 805$

172. Which value for R makes the number sentence below true?

$R \div 14 = 32$

173. Which number is represented by n?

$8 \times n = 128$

A. 13 B. 14 C. 16 D. 19

174. What value of r makes $\frac{r}{-11} = -3$ true?

175. Liam had to solve this problem in math class.

- The first digit of a 3-digit number is 1 less than the second digit.
- The third digit of a 3-digit number is double the second digit.
- The third digit is 8.

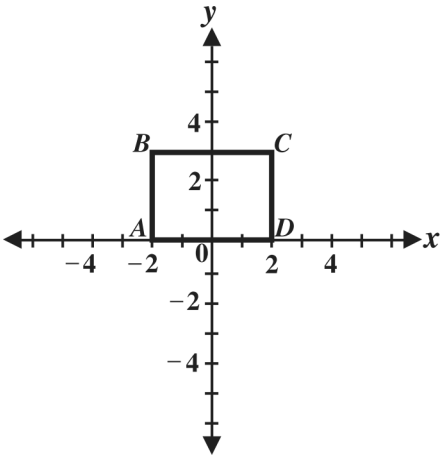
What is the 3-digit number?

176. In a class of 24 students, 25% of them failed a test. How many students failed the test?

177. What percent of 25 is 10?

178. If 15 is 25% of a number, find the number.

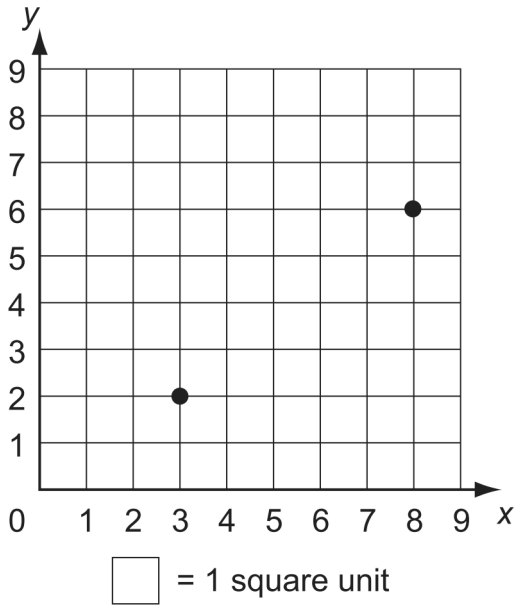
179. The graph of rectangle $ABCD$ is shown below.



What is the area, in square units, of rectangle $ABCD$?

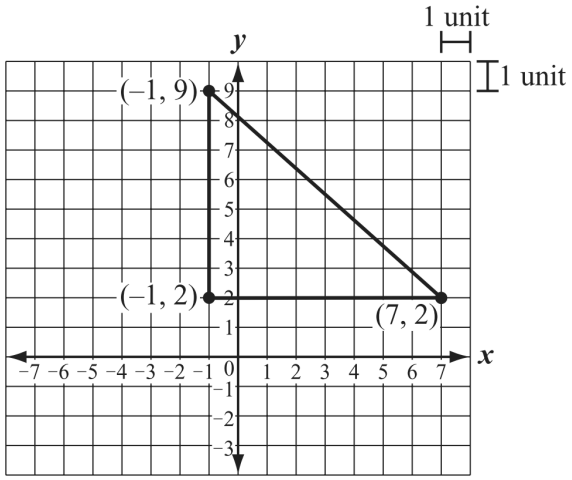
180. Ingrid used the coordinate grid shown below to plot her rectangular garden.

Ingrid's Garden



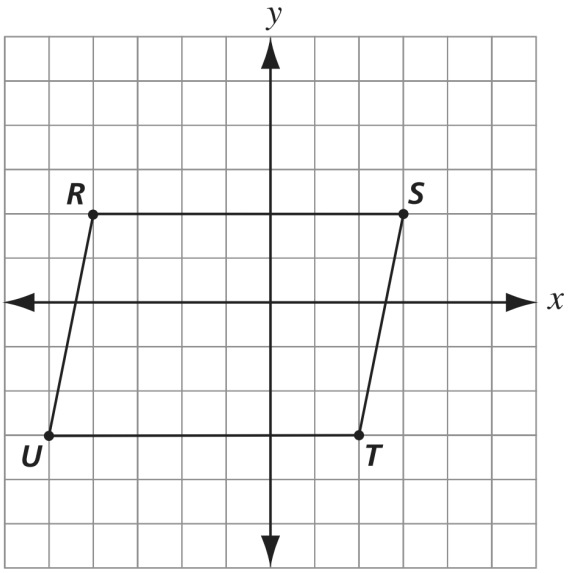
A corner of the garden is at $(3, 2)$ and the opposite corner is at $(8, 6)$. In square units, what is the area of Ingrid's garden?

181. A triangle is shown on the coordinate plane below.



What is the area of the triangle?

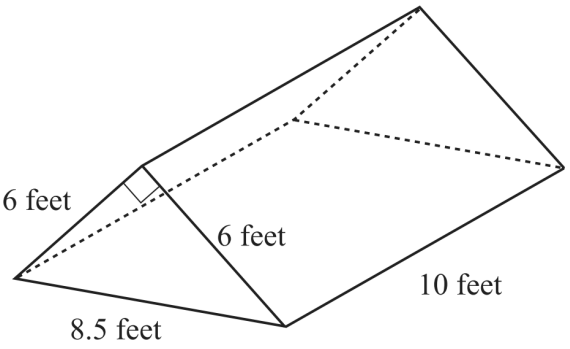
182. Use the grid below to answer question 15.



What is the area of parallelogram *RSTU* in the grid?

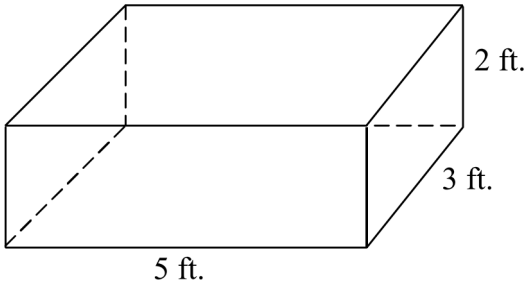
183. The triangular prism below represents the shape of Sylvia's tent.

Sylvia's Tent



What is the volume of the tent in cubic feet?

184. A rectangular prism has the dimensions shown below.



What is the volume of the prism?

185. What is 50% of 40?

186. What is 25% of 2,500?

187. 0.48 is what equivalent to what fraction?

188. Write 0.27 as a fraction.

189. $\frac{4}{100}$ is what percent?

190. .89 is what percent?

191. Convert the fraction or decimal to its equivalent percent.

.007 =

192. Convert the fraction or decimal to its equivalent percent.

3.7 =

193. Convert the fraction or decimal to its equivalent percent.

$\frac{12}{12}$ =

194. Sheila needs $3\frac{3}{4}$ cups flour to make cookies. Which fraction is equivalent to $3\frac{3}{4}$ cups of flour?

A. $\frac{9}{4}$ B. $\frac{10}{4}$ C. $\frac{13}{4}$ D. $\frac{15}{4}$

195. Nick bought $2\frac{3}{8}$ yards of material. Which fraction is equal to the number of yards of material Nick bought?

A. $\frac{6}{8}$ B. $\frac{13}{8}$ C. $\frac{14}{8}$ D. $\frac{19}{8}$

196. What is $\frac{3}{5}$ written as a percent?

197. Which fraction means the same as 0.17?

A. $\frac{17}{10}$ B. $\frac{17}{100}$ C. $\frac{17}{1000}$ D. $\frac{17}{1}$

198. Which decimal number is equivalent to 1/2?

A. 0.1 B. 0.2 C. 0.5 D. 1.2

199. What is the equivalent decimal value of $\frac{67}{100}$?

200. Abby saves $\frac{3}{5}$ of her weekly allowance.

What percent of her weekly allowance does Abby save?

Envision Packet 5/26/2020

1.
Answer: 123
Objective: M3.2.2
Points: 1

2.
Answer: 16
Objective: M4.2.5
Points: 1

3.
Answer: B
Objective: 1-2-10
Points: 1

4.
Answer: [answers vary] ex: $\frac{4}{6}$
Objective: CC 3.NF.3
Points: 1

5.
Answer: B
Points: 1

6.
Answer: $\frac{3}{4}$
Objective: 1-1-6
Points: 1

7.
Answer: The first cake.
Objective: CC 4.NF.2
Points: 1

8.
Answer: D
Points: 1

9.
Answer: b;d;a;c;e;g;f
Objective: M1.2.4
Points: 1

10.
Answer: 18
Objective: M3.2.3
Points: 1

11.
Answer: $\frac{13}{15}$
Objective: M3.2.3
Points: 1

12.
Answer: $3\frac{23}{30}$
Points: 1

13.
Answer: $5\frac{3}{9}$ or $5\frac{1}{3}$
Objective: M3.2.3
Points: 1

14.
Answer: $\frac{13}{24}$
Objective: M3.2.3
Points: 1

15.
Answer: $\frac{11}{40}$
Objective: M3.2.3
Points: 1

16.
Answer: $9\frac{1}{3}$
Objective: PA M8.A.3.3
Points: 1

17.
Answer: $\frac{5}{56}$
Objective: 1-2-9
Points: 1

18.
Answer: $\frac{9}{4}$
Objective: 7.NS.1.2
Points: 1

19.
Answer: $7\frac{1}{2}$
Objective: MA 6.N.14
Points: 1

20.
Answer: $16\frac{1}{3}$
Objective: PA A-F.2.1.2
Points: 1

21.
Answer: $\frac{4}{7}$
Objective: 1-2-4
Points: 1

22.
Answer: 16
Objective: 5.NS.2.4
Points: 1

23.
Answer: $2\frac{2}{7}$
Objective: CC 6.NS.1
Points: 1

24.
Answer: $18.01
Objective: M3.2.3
Points: 1

25.
Answer: 25.52
Objective: 4.NS.2.1
Points: 1

26.
Answer: 4.31
Points: 1

27.
Answer: 6873.875
Objective: 1-2-1
Points: 1

28.
Answer: 4.6
Objective: CC 5.NBT.7
Points: 1

29.
Answer: 30.51
Objective: 5.NS.2.1
Points: 1

30.
Answer: 23.76
Objective: 5.NS.2.1
Points: 1

31.
Answer: C
Objective: MA 8.N.-
Points: 1

32.
Answer: 6.3
Objective: 5.NS.2.2
Points: 1

33.
Answer: 8.5
Objective: PA A.3.2.1
Points: 1

34.
Answer: 500
Objective: M3.2.1
Points: 1

35.
Answer: 48
Objective: 1-2-6
Points: 1

36.
Answer: 2
Objective: 4.AF.1.2
Points: 1

37.
Answer: 14
Objective: 6.AF.1.4
Points: 1

38.
Answer: 36
Objective: MA 10.N.2
Points: 1

39.
Answer: 24
Objective: PA M6.A.2.1
Points: 1

40.
Answer: 6 hours 35 minutes
Objective: M2.2.5
Points: 1

41.
Answer: 30 minutes
Objective: 4-4-2
Points: 1

42.
Answer: 2:15 PM
Objective: M2.3.5
Points: 1

43.
Answer: $4.15
Objective: M2.2.6
Points: 1

44.
Answer: $15.46
Objective: M2.2.6
Points: 1

45.
Answer: 19 ft
Objective: M2.3.2
Points: 1

46.
Answer: 30 in
Objective: M2.3.2
Points: 1

47.
Answer: $3\frac{1}{3}$ yd
Objective: M2.3.2
Points: 1

48.
Answer: B
Objective: MA 5.M.3
Points: 1

49.
Answer: 1050 cm
Objective: M2.3.2
Points: 1

50.
Answer: 2400 m
Objective: M2.3.2
Points: 1

51.
Answer: 5,000 meters
Objective: 3.MG.1.4
Points: 1

52.
Answer: 1.5
Points: 1

53.
Answer: C
Objective: LA M.1
Points: 1

54.
Answer: 253 grams
Objective: M2.2.2
Points: 1

55.
Answer: 2.817 kg
Points: 1

56.
Answer: 144 ounces
Objective: M2.2.2
Points: 1

57.
Answer: 880 oz.
Objective: M2.3.2
Points: 1

58.
Answer: $\frac{1}{4}$ pound
Points: 1

59.
Answer: 6,000 pounds
Objective: OH 5.ME.B
Points: 1

60.
Answer: [answer grid]
Points: 1

61.
Answer: B
Objective: OH 4.ME.B
Points: 1

62.
Answer: B
Objective: 3.MG.2.1
Points: 1

63.
Answer: octagon
Objective: 3.MG.2.1
Points: 1

64.
Answer: triangular prism
Points: 1

65.
Answer: D
Points: 1

66.
Answer: prism
Objective: 4-1-3
Points: 1

67.
Answer: A
Objective: 3.MG.2.6
Points: 1

68.
Answer: 20 inches
Objective: M5.2.4
Points: 1

69.
Answer: 32 inches
Points: 1

70.
Answer: 56 square feet
Points: 1

71.
Answer: 20
Objective: CC 3.MD.6
Points: 1

72.
Answer: $2,090
Objective: LA M.1
Points: 1

73.
Answer: 34 cm^2
Objective: 4-4-5
Points: 1

74.
Answer: 128 cm^2
Objective: 4-4-5
Points: 1

75.
Answer: 63
Objective: 5.MG.1.1
Points: 1

76.
Answer: 96
Points: 1

77.
Answer: 60 square units
Objective: 7.MG.2.1
Points: 1

78.
Answer: 14 square units
Objective: 4-4-6
Points: 1

79.
Answer: 67
Objective: 7.MG.2.2
Points: 1

80.
Answer: $136\,\text{cm}^2$
Objective: 7.MG.2.2
Points: 1

81.
Answer: 168
Objective: GE.8.0
Points: 1

82.
Answer: $2{,}000\,\text{in}^3$
Objective: M5.3.4
Points: 1

83.
Answer: $54^\circ\,\text{F}$
Objective: 3.3
Points: 1

84.
Answer: C
Objective: 2.12
Points: 1

85.
Answer: 3
Objective: M3.3.3
Points: 1

86.
Answer: -48
Objective: M3.3.3
Points: 1

87.
Answer: 12
Objective: 1-2-5
Points: 1

88.
Answer: -3
Objective: 1-2-6
Points: 1

89.
Answer: $-7-(-4)$
Objective: 1-2-1
Points: 1

90.
Answer: -8
Objective: 1-2-1
Points: 1

91.
Answer: -9
Objective: CC 7.NS.2
Points: 1

92.
Answer: 36
Objective: PA A.3.3.1
Points: 1

93.
Answer: W
Objective: 1-1-1
Points: 1

94.
Answer: $1\frac{2}{3}$
Objective: 1-3-2
Points: 1

95.
Answer:
Points: 1

96.
Answer: -3 and -2
Objective: MA 6.N.6
Points: 1

97.
Answer: 99,989, 9.0987, 6.281, 0.10
Objective: M1.2.1
Points: 1

98.
Answer: D
Objective: 1-1-4
Points: 1

99.
Answer: C
Objective: 6.NS.1.1
Points: 1

100.
Answer: C
Objective: 7.NS.2.5
Points: 1

101.
Answer: A
Objective: MA 5.N.5
Points: 1

102.
Answer: A
Points: 1

103.
Answer:
Points: 1

104.
Answer: 4.3 $4\frac{1}{3}$ $4\frac{2}{5}$ 4.45 $4\frac{1}{2}$
Objective: PA A.1.2.1
Points: 1

105.
Answer: 8
Objective: 1-2-5
Points: 1

106.
Answer: $\frac{1}{64}$
Objective: 7.NS.1.2
Points: 1

107.
Answer: $\frac{1}{27}$
Objective: CC 8.EE.2
Points: 1

108.
Answer:
Objective: M1.4.4
Points: 1

109.
Answer: 0
Points: 1

110.
Answer: B
Points: 1

111.
Answer: B
Objective: MS 3b2
Points: 1

112.
Answer: quadrant III
Objective: CC 6.NS.6B
Points: 1

113.
Answer: A
Objective: CC 5.G.1
Points: 1

114.
Answer: D
Objective: MA 4.G.-
Points: 1

115.
Answer: G
Objective: 4-3-1
Points: 1

116.
Answer: R
Points: 1

117.
Answer: C
Objective: 4-3-1
Points: 1

118.
Answer: $(-8, 6)$
Objective: 4.03
Points: 1

119.
Answer: D
Objective: 4-3-1
Points: 1

120.
Answer: 8
Points: 1

121.
Answer: To determine the distance along the x-axis between the point $(-4, 2)$ and $(2, 2)$ a student must recognize that -4 is $|-4|$ or 4 units to the left of 0 and 2 is $|2|$ or 2 units to the right of 0, so the two points are a total of units apart along the x-axis. Students should represent this on the coordinate grid and numerically with an absolute value expression, $|-4| + |2|$.
Objective: CC 6.NS.8
Points: 1

122.
Answer: Jack
Points: 1

123.
Answer: C
Objective: CC 6.RP.1
Points: 1

124.
Answer: 9 : 11
Objective: 1.01
Points: 1

125.
Answer: 3 : 8
Objective: OH 5.NO.D
Points: 1

126.
Answer: 63 miles/hour
Objective: M3.3.6
Points: 1

127.
Answer: $3.79/lb
Objective: M3.3.6
Points: 1

128.
Answer: 55 gallons
Points: 1

129.
Answer: 8 feet
Objective: M3.3.6
Points: 1

130.
Answer: B
Points: 1

131.
Answer: 73%
Points: 1

132.
Answer: $2 + 2n$
Objective: M4.3.5
Points: 1

133.
Answer: B
Objective: 3-3-2
Points: 1

134.
Answer: B
Objective: 3-3-3
Points: 1

135.
Answer: A
Objective: 5.AF.1.2
Points: 1

136.
Answer: B
Objective: 6.AF.1.1
Points: 1

137.
Answer: $3x + 7$
Objective: CC 6.EE.2
Points: 1

138.
Answer: C
Objective: MA 6.P.4
Points: 1

139.
Answer: A
Objective: 5-1-1
Points: 1

140.
Answer: $3y$
Objective: CC 6.EE.3
Points: 1

141.
Answer: $5k$
Points: 1

142.
Answer: 8
Objective: M4.3.5
Points: 1

143.
Answer: 1 and 3
Points: 1

144.
Answer: A
Points: 1

145.
Answer: A
Objective: 1-1-2
Points: 1

146.
Answer: A
Objective: CC 4.OA.4
Points: 1

147.
Answer: D
Objective: MS 1c1
Points: 1

148.
Answer: B
Objective: M1.2.6
Points: 1

149.
Answer: 4
Objective: MA 6.N.-
Points: 1

150.
Answer: 15
Points: 1

151.
Answer: C
Points: 1

152.
Answer: D
Points: 1

153.
Answer: 28
Objective: 1-1-6
Points: 1

154.
Answer: 360
Objective: MS 1c2
Points: 1

155.
Answer:
Objective: MA 4.N.7
Points: 1

156.
Answer: D
Objective: 1.18
Points: 1

157.
Answer: B
Points: 1

158.
Answer: B
Objective: 1-1-2
Points: 1

159.
Answer: C
Objective: CC 4.OA.4
Points: 1

160.
Answer: B
Objective: 1.B
Points: 1

161.
Answer: $2^3 \times 5^2$
Points: 1

162.
Answer: $5^2 \times 2^4$
Points: 1

163.
Answer: C
Objective: 1-1-2
Points: 1

164.
Answer:
Objective: MA 6.N.8
Points: 1

165.
Answer:
Objective: M1.2.6
Points: 1

166.
Answer: 6: 12,218,24,30,36,42
5: 10,15,20,25,30,35
LCM=30
Objective: M1.2.6
Points: 1

167.
Answer: D
Objective: AL 7
Points: 1

168.
Answer: Multiply the input by 3
Objective: 3-2-1
Points: 1

169.
Answer: 168
Objective: M4.2.5
Points: 1

170.
Answer: 178
Objective: M4.2.5
Points: 1

171.
Answer: 55
Objective: M4.2.5
Points: 1

172.
Answer: 448
Objective: 3-3-3
Points: 1

173.
Answer: C
Objective: 4.AF.1.1
Points: 1

174.
Answer: 33
Objective: 6.AF.1.1
Points: 1

175.
Answer: 348
Points: 1

176.
Answer: 6
Points: 1

177.
Answer: 40
Points: 1

178.
Answer: 60
Points: 1

179.
Answer: 12
Objective: 7.MG.3.2
Points: 1

180.
Answer: 20 square units
Objective: CC 6.G.3
Points: 1

181.
Answer: 28 square units
Objective: CC G.GPE.7
Points: 1

182.
Answer: 35 square units
Objective: V.C
Points: 1

183.
Answer: 180
Points: 1

184.
Answer: 30 $ft.^3$
Objective: 4-4-1
Points: 1

185.
Answer: 20
Objective: 5.NS.1.2
Points: 1

186.
Answer: 625
Points: 1

187.
Answer: $\frac{12}{25}$
Objective: M1.3.4
Points: 1

188.
Answer: $\frac{27}{100}$
Objective: M1.3.4
Points: 1

189.
Answer: 4%
Objective: M1.3.4
Points: 1

190.
Answer: 89%
Objective: M1.3.4
Points: 1

191.
Answer: .7%
Objective: M3.3.5
Points: 1

192.
Answer: 370%
Objective: M3.3.5
Points: 1

193.
Answer: 100%
Objective: M3.3.5
Points: 1

194.
Answer: D
Points: 1

195.
Answer: D
Points: 1

196.
Answer: 60%
Objective: 1-1-1
Points: 1

197.
Answer: B
Objective: 4.NS.1.6
Points: 1

198.
Answer: C
Points: 1

199.
Answer: 0.67
Objective: CC 4.NF.7
Points: 1

200.
Answer: 60%
Points: 1