

Hour: _____

Name: _____

Date: _____

6th Grade Practice Sheet 19

Show all work

1. Evaluate: $7 \times 2^3 - 64 \div 4^2$		6. Evaluate: $5(22.5 + 1.5) \div 6^2$	
2. Evaluate: $3 * (10 - 6)^0 + 58$		7. Evaluate: $(6^2 + 8^2) \div 5 - 9$	
3. Find the product of: 0.45 and 1.97		8. Find the product of: 1.68 and 3.2	
4. Find the quotient. 1.74 and 0.03		9. Find the quotient. 414 and 0.03	
5. Find the quotient. $6\frac{2}{9}$ and $6\frac{2}{3}$		10. Find the quotient. $7\frac{1}{2}$ and $1\frac{3}{4}$	

<p>11. One mile is 5280 feet. How many feet are there in 3.5 miles?</p>		<p>16. Using inverse operation solve for x</p> $x + 4.5 = 19$	
<p>12. If you left your house at 3:15 pm and arrived at 6:25 pm. How long did you travel?</p>		<p>17. Using inverse operation solve for x</p> $4x = 144$	
<p>13. A painting is 9 feet by 11 feet. Which choice is congruent?</p> <p>a) 34 in. \times 60 in. b) 61 in. \times 97 in. c) 82 in. \times 108 in. d) 108 in \times 132 in.</p>		<p>18. How many different outfits could you have if you could choose from 5 pants and 4 shirts?</p> <p>a) 9 b) 10 c) 15 d) 20</p>	
<p>14. At age 5, Patrick is 31 inches tall. How many feet and inches is that?</p>		<p>19. These are the choices for ice cream cones: 2 types of cones, 3 flavors. How many different combinations could you make?</p> <p>a) 2 b) 3 c) 5 d) 6</p>	
<p>15. Find the product and simplify.</p> $1\frac{2}{3} \text{ and } 1\frac{1}{4}$		<p>20. Find the product and simplify.</p> $\frac{3}{8} \text{ and } 1\frac{1}{3}$	

Be sure to show how you made your choice.

21) A mother holds her newborn baby on the scale with her. The scale reads 135.8 pounds. When she stands alone on the scale, the scale reads 126.4 pounds. What equation shows the weight of the baby?

a. $135.8b = 126.4$

b. $\frac{135.8}{b} = 126.4$

c. $135.8 - b = 126.4$

d. $135.8 + b = 126.4$

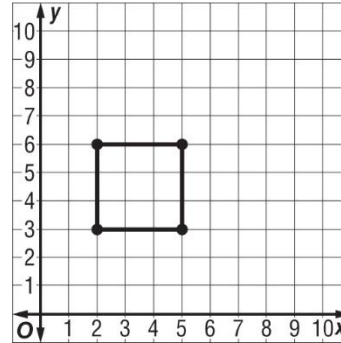
22) Which of the following ordered pairs is located inside the graph of the square?

a. (4, 0)

b. (2, 2)

c. (1, 6)

d. (4, 5)



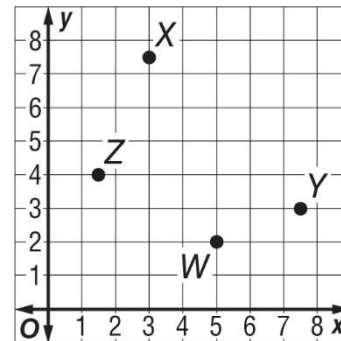
23) Which point on the grid below corresponds to the ordered pair (5, 2) ?

a. Point W

b. Point Y

c. Point X

d. Point Z



24) The temperature at noon was 8 degrees below zero Celsius. At five o'clock it was 12 degrees below zero Celsius. Which integer represents the temperature at noon in degrees Celsius?

a. -12

b. 8

c. -8

d. 12

25) Mary's temperature on Sunday night was 101°F. On Monday morning, her temperature was 103°F. Which integer represents Mary's temperature on Sunday night in degrees Fahrenheit?

a. -103

b. 101

c. -101

d. 103

26) Ora bought the variety pack of granola bars shown. The box contains 24 granola bars. How much does one granola bar cost?

a. \$0.29

b. \$0.30

c. \$1.35

d. \$3.33



27) Which of the following illustrates the Distributive Property?

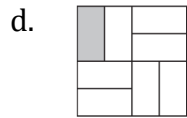
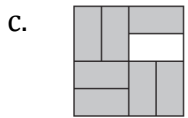
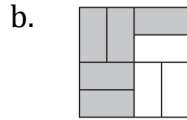
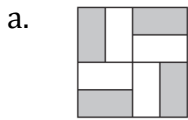
a. $3(2x + 4) = 5x + 4$

b. $3(2x + 4) = 5x + 7$

c. $3(2x + 4) = 6x + 4$

d. $3(2x + 4) = 6x + 12$

28) Each figure below is divided into sections of equal size. Which figure has 87.5% of its total area shaded?



29) Which expression is equivalent to: $5 + 4^2 \times 2$?

a. 21×2

b. $9^2 \times 2$

c. $5 + 32$

d. $5 + 82$

30) At a state fair, each person pays \$8 for admission plus \$2 for each ride. While at the fair, Elizabeth goes on 6 rides. Which expression can be used to find the total amount Elizabeth spends?

a. $\$8 + 6 \times \2

b. $(\$8 + \$2) + 6$

c. $(\$8 + \$2) \times 6$

d. $\$8 \times 6 \times \2