6th Grade Practice Sheet 23

Show all work

1. Compare using <, >, or =.	Write your answer in the blank.	6. Compare using <, >, or =.	Write your answer in the blank.
$62\% \rule{2cm}{0.4pt} \frac{5}{8}$		$\frac{1}{3} \rule{2cm}{0.4pt} 30\%$	

2. Compare using <, >, or =.	Write your answer in the blank.	7. Compare using <, >, or =.	Write your answer in the blank.
$0.9499 \rule{2cm}{0.4pt} 95\%$		$\frac{37}{50} \rule{2cm}{0.4pt} 74\%$	

3. Order from least to greatest.		8. Order from least to greatest.	
$0.57, \frac{3}{4}, 20\%, \frac{1}{6}$		$\frac{5}{8}, 0.623, \frac{2}{3}, 60\%$	

4. Solve for x:		9. Solve for x:	
$25.242 = 3x$		$34 = 0.02x$	

5 Find the quotient.		10. Find the quotient.	
$2\frac{1}{4} \div \frac{3}{4}$		$7\frac{1}{5} \div 8$	

11. Simplify using the distributive property. $3(x + 12)$ $5(20 + 3y)$	16. Evaluate the expression. $\frac{1}{2}(7)(4) + 6(5)$
12. Simplify using the distributive property. $12(5 - n)$ $8(t + 3) - 13$	17. Evaluate the expression. $\frac{1}{2}(2^5) + 3(7)$
13. Solve the inequality and graph the solutions $x + 4 \geq 7$	18. Evaluate the expression. $12(6) + 3.14 * 2^2$
14. Solve the inequality and graph the solutions $5x < 45$	19. Evaluate the expression. $3 + 9 \times 2.3$
15. Find the sum. $-33 + 48$	20. Find the difference. $32 - (-21)$

21) Which point on the number line below best represents the location of 4.82?
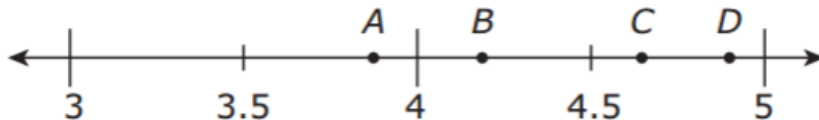
   a.   point A   b.   point B

   c.   point C   d.   point D

22) Sawyer bought a coat on sale for $29.95. He gave the clerk $40. Which is <u>closest</u> to the amount of change he should have received?

   a. $60   b. $20

   c. $15   d. $10

23) Mrs. McCann had 450 sheets of construction paper on the first day of school. The students used 18 sheets during each school day. How many school days did the construction paper last?

   a.   21   b.   22

   c.   24   d.   25

24) In Mrs. Bell's class, $\frac{2}{5}$ of the students had cereal for breakfast. Which grid has $\frac{2}{5}$ of the area shaded?

   a.   b.

   c.   d.
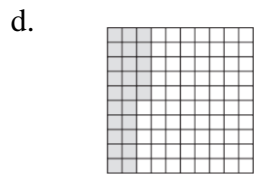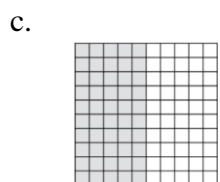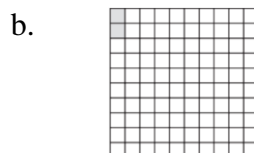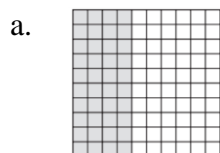
25) Peter followed the rise and fall of 3 different stocks. One day all 3 stocks rose. Stock A rose $\frac{5}{7}$ of a point. Stock B rose $\frac{3}{4}$ of a point. Stock C rose $\frac{5}{6}$ of a point. What list is ordered from the **smallest** increase to the <u>greatest</u> increase?

   a. $\frac{3}{4}, \frac{5}{6}, \frac{5}{7},$ b. $\frac{5}{6}, \frac{5}{7}, \frac{3}{4}$

   c. $\frac{5}{7}, \frac{5}{6}, \frac{3}{4}$ d. $\frac{5}{7}, \frac{3}{4}, \frac{5}{6}$

26) If there are 1,200 calories in 8 oz. of ice cream, how many calories are in 3 oz. of ice cream?

    a. 50 calories   **b.** 240 calories

    c. 320 calories   **d.** 450 calories

27) Which of the following is a solution of the inequality $3x \geq 15$?

    A. 0   B. 2
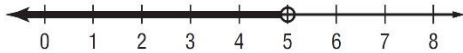
    C. 4   D. 6

28) Which of the following inequalities has the solution shown below?

    a. $4n \geq 20$ b. $4n \leq 20$

    c. $4n > 20$ d. $4n < 20$

29) What is the first step in simplifying the expression $5 - 4(3 + 1)^2$?

    a.   subtract 4 from 6   b.   multiply 4 and 3

    c.   add 3 and 1   d.   square the sum

30) Solve $5 - 4(3 + 1)^2$

    a. -69 b. -59

    c. -35 d. -23