Name: _____

Date: _____ _____

6th Grade Practice Sheet 24

Show all work - *NO CALCULATORS!*

1. Order from least to greatest:	

$$\frac{3}{11}, 27\%, 0.2801, \frac{7}{25}$$

6. Order from least to greatest:	

$$0.25, \frac{2}{5}, 250\%, 0.25\%$$

2. Order from least to greatest:	

$$\frac{5}{9}, 55.5\%, 0.556, \frac{11}{20}$$

7. Order from least to greatest:	

$$1.6, \frac{6}{5}, 165\%, \frac{16}{9}$$

3. Write an expression to represent the phrase	

eight less than a number x

8. Write an expression to represent the phrase	

$\frac{1}{3}$ of a number y

4. Write an expression to represent the phrase	

double the sum of w and five

9. Write an expression to represent the phrase	

the quotient of fifteen and v

5. Find the product:	

0.23 *and* 4.76

10. Find the product:	

394 *and* 0.92

11. Evaluate the expression when: $$a = -3 \text{ and } c = -6$$ $$a + c$$	16. Evaluate $$9 \times (-9 + 14)^2 - 144$$
12. Evaluate the expression when: $$a = -3 \text{ and } b = 7$$ $$a + b$$	17. Evaluate $$8 + (2 \times 5) \times 3^2 \div 9$$
13. Solve for the variable. $$n + (-8) = 5$$	18. Evaluate $$18 \times 2 \div (-8 - 6 + 18)$$
14. Solve for the variable. $$-6 + k = -14$$	19. Evaluate $$5(-3 + 8) + 7 - 3$$
15. Convert into a percent. $$1\frac{1}{10}$$	20. Convert into a percent. $$\frac{3}{8}$$

21) Which equation below represents the expression "The quotient of a number and five is eight"?

    a. $n + 5 = 8$

    b. $5n + 8 = 8$

    c. $\dfrac{n}{5} = 8$

    d. $5n = 8$

22) Use Mrs. Reece, Ms. Bell, Mrs, Holbrook and Mr. Brasche's test scores to find the Mean, Median, Mode and Range for the 6th grade test scores. Identify the out lier in this list. 84, 88, 62. 98, 77, 82, 88, 93, 89, 42, 14, 97, 75, 63, 93, 88, 73, 69, 73, 55, 92, 66, 78, 81

Mean _____ Median _____ Mode _____ Range _____Outlier_____

23) There were 7 more students in the woodwind section of the band than in the brass section. If there were 16 students in the brass section, how would you write an equation to solve for the number of students in the woodwind section (w = woodwinds)?

    a. $w + 7 = 16$

    b. $w + 16 = 7$

    c. $w = 16 + 7$

    d. $w = 16 - 7$

24) Simplify this expression: $12m + 5 - 3m$

    a. $14m$

    b. $9m + 5$

    c. $9m - 5$

    d. $12m + 5$

25) At age 12, Patrick is 59 inches tall. What is his height in feet and inches?

    a. 3 feet 7 inches

    b. 4 feet 9 inch

    c. 4 feet 11 inches

    d. 5 feet 1 inch

26) Find the Mean, Median, Mode and Range.

61,21,80,46,37,70,59,65,46,39

Mean_____ Median_____ Mode_____ Range_____

27) Evaluate: $7 + 8 \cdot 3 - 12 \div 3$

    a.   3   b.   9

    c.   11   d.   27

28) Find the Mean, Median, Mode and Range. 13, 6, 24, 18, 33, 5, 13, 48, 9, 11, 36, 28, 15, 6, 13

Mean _____ Median _____ Mode _____ Range _____

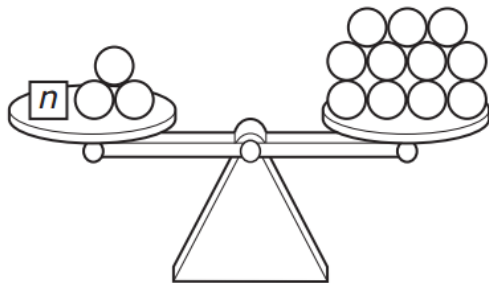29) Which list shows the integers in order from least to greatest?

    a. $-8, -5, 0, 2, 6$ b. $-5, -8, 0, 2, 6$

    c. $0, 2, -5, 6, -8$ d. $0, -8, -5, 2, 6$

30) Given the picture below of a balanced scale:

How many ◯s equal $\boxed{n}$?

    a.   3   b.   8

    c.   11   d.   14