Name: _____ Period: _____ Date: _____

Solve using the order of operations.   Simplify by distributing and combining like terms.

1. $12+13 \cdot 4$

2. $5+|-6 \cdot 3|$

3. $\dfrac{2+3(4)}{3+-10}$

4. $5(2x+4)-5x$

5. $3(2y+9)-2y$

Compare. Use >, <, or = to complete each statement.

6. $\dfrac{2}{3}$ —— $\dfrac{7}{9}$

7. $\dfrac{9}{21}$ —— $\dfrac{6}{14}$

8. 0.625 —— $\dfrac{7}{12}$

9. $\dfrac{8}{17}$ —— -0.375

10. $\dfrac{1}{3}$ —— $\dfrac{-3}{9}$

11. 0.6 —— $\dfrac{7}{10}$

12. $\dfrac{-2}{8}$ —— $\dfrac{-7}{32}$

13. -0.8 —— $\dfrac{-7}{8}$

14. $\dfrac{4}{7}$ —— $\dfrac{7}{9}$

15. $\dfrac{-12}{6}$ —— -3

Solve.

16. Marissa needs $\dfrac{3}{4}$ yards of ribbon. She has $\dfrac{5}{8}$ yards. Does she have enough?

17. I need $\dfrac{2}{3}$ cups flour for a recipe. I have enough to fill $\dfrac{3}{4}$ cup. Do I have enough?

18. The probability of getting a red balloon from the clown is $\frac{1}{4}$. The chance that you get a blue balloon is $\frac{1}{5}$. Do I have a better chance of getting a red balloon or a blue balloon?

Order from <u>least to greatest</u>. Be sure to write the numbers in your answer in the same form they were given in the problem.

19. $\frac{2}{3}, \frac{3}{4}, \frac{1}{2}$ _____

20. $0.4, \frac{1}{3}, 0.43, \frac{4}{9}$ _____

21. $\frac{8}{11}, \frac{9}{10}, 0.875, 0.75$ _____

22. $\frac{2}{5}, 0.35, \frac{9}{20}, 0.2$ _____