



Module Test

B

Module 5



Round each decimal to the nearest whole number, nearest tenth, and nearest hundredth.

1. 1.166

2. 40.159

3. 11.324

4. Order 0.45, -0.5 , $\frac{1}{2}$, 0.49 from least to greatest.

5. Order -0.1 , -0.3 , -1 , $-\frac{3}{4}$ from greatest to least.

Use $<$, $>$, or $=$ to compare each set of numbers.

6. $\frac{1}{4}$ and 0.2

7. 60% and 0.6

8. 5.1 and $5\frac{7}{10}$

Evaluate these expressions. Show your work.

9. $9.77 + 1.325$

10. $0.035 + 2.9 + 0.44$

11. $4 - 0.89$

12. 0.05×0.9

13. 8×0.104

14. 18.3×6.25

15. $10 \div 11$

16. $56.7 \div 5$

17. $97.24 \div 8.8$

Circle the correct answer for each problem.

18. Evaluate -2^6 .

a. -64

b. -12

c. 12

d. 64

19. Evaluate $(3)^{-4}$.

a. -81

b. -12

c. $-\frac{1}{81}$

d. $\frac{1}{81}$

20. Evaluate $(3 + 1)^0 + (-5)^2$.

a. -24

b. -21

c. 26

d. 29

21. 10^5 is equivalent to _____.

a. $1,000$

b. $10,000$

c. $100,000$

d. $1,000,000$

22. 0.0000000424 written in scientific notation is _____.

a. 0.424×10^{-7}

b. 4.24×10^{-8}

c. 42.4×10^{-9}

d. 424×10^{-10}

NAME _____

DATE _____

Answer the following questions.

23. Is 0.35×10^{11} written in scientific notation? Tell why or why not. If not, write the number in scientific notation.
24. Toya completed 75% of her class assignments and Jackie completed 19 out of 25 of the same assignments. Who completed more of the class assignments? Explain how you found your answer.
25. Show how to use exponents to answer the following problem. Jerome bought four packs of baseball cards one month. If he triples the number of packs he buys each month, how many packs of baseball cards would he buy in month four?