

**Math 7 Third Quarter Final**

**Multiple Choice**

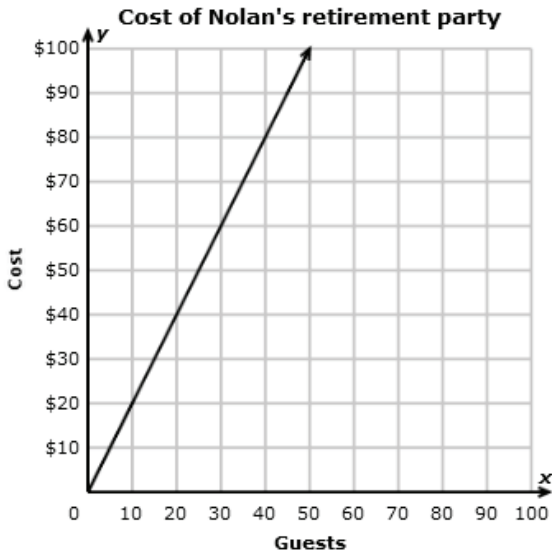
*Indicate the answer choice that best completes the statement or answers the question.*

1. Simplify .  $\frac{\frac{3}{9}}{\frac{4}{12}}$

2. Monique bought  $2\frac{4}{5}$  pounds of hamburgers for \$11.50. What was the cost per pound?

3. Kent drove his new Tesla at 57 miles per hour. How many miles per minute is this?

4. In the graph below, what is cost for each guest?



5. In the cafeteria, 120 hot cheeseburgers were sold, 100 hot burritos were sold, 200 cold sandwiches, were sold and 130 cold salads were sold. What percentage of the sales represented hot food?

*Find each number. Round to the nearest tenth if necessary.*

6. What percent of 238 is 41?

*Find the total cost to the nearest cent.*

7. \$95 dinner; 7.5% sales tax

8. Write an integer for each following situation.

Climb 23 rungs up a ladder

Temperature drops 15 degrees

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*Evaluate each expression.*

9.  $|-71|$

*Add.*

10.  $-15 - (-3)$

*Subtract.*

11.  $5 - (-21)$

*Write each fraction or mixed number as a decimal. Use bar notation if the decimal is a repeating decimal.*

12.  $4\frac{5}{8}$

*Write each decimal as a fraction in simplest form.*

13. 0.28

*Order the set of numbers from least to greatest.*

14.  $0.75, -0.86, \frac{8}{11}$

*Add or subtract. Write in simplest form.*

15.  $\frac{7}{12} - \frac{3}{12}$

16.  $\frac{3}{7} + \frac{1}{7}$

17. A water cooler holds  $7\frac{1}{4}$  gallons of water. It currently has only  $3\frac{1}{3}$  gallons of water in it. How much more water is needed to fill the water cooler?

*Multiply. Write in simplest form.*

18.  $3\frac{1}{6} \times \frac{1}{3}$

*Divide. Write in simplest form.*

19.  $\frac{11}{15} \div \frac{11}{7}$

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*Describe the relationship between the terms in the arithmetic sequence. Solve each equation. Check your solution.*

20. 5, 13, 21, 30...

25.  $-8 + n = -34$

21. Name the property shown by the statement  $(14 + 45) + x = 14 + (45 + x)$ .

26.  $w + 15 = -35$

*Use one or more properties to rewrite the expression as an equivalent expression that does not use parentheses.*

22.  $(3b \cdot -4) \cdot -2b$

27.  $-48 = -8x$

*Add. Use models if needed.*

23.  $(-2x + 8) - (5x - 11)$

28.  $\frac{x}{-3} = 12$

*Subtract. Use models if needed.*

24.  $(-8x - 4) + (10x - 4)$

29.  $16x - 13.7 = 34.3$

30. Factor  $18nm + 27n$