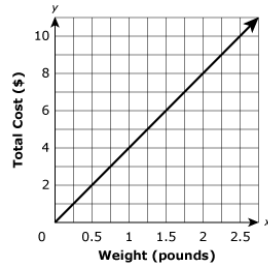


This graph shows the relationship between the pounds of cheese bought at a deli and the total cost, in dollars, for the cheese.



Select **each** statement about the graph that is true. Select **all** that apply.

- A. The point $(0, 0)$ shows the cost is \$0.00 for 0 pounds of cheese.
- B. The point $(0.25, 1)$ shows the cost is \$0.25 for 1 pound of cheese.
- C. The point $(0.5, 2)$ shows that 0.5 pound of cheese costs \$2.00.
- D. The point $(1, 4)$ shows the cost is \$4.00 for 1 pound of cheese.
- E. The point $(2, 8)$ shows that 8 pounds of cheese cost \$2.00.

Which expressions are equivalent to $-2.5(1 - 2n) - 1.5n$?

Select **all** that apply.

- A. $-2.5 - 3.5n$
- B. $-2.5 + 3.5n$
- C. $-2.5 - 6.5n$
- D. $-2.5 - n(5 - 1.5)$
- E. $-2.5 + n(5 - 1.5)$

This table shows a proportional relationship between x and y .

x	y
2	1.25
4	2.5
6	3.75
10	6.25

What is the constant of proportionality between x and y ? Enter your answer as a decimal.

EOY Mathematics PARCC Practice Test | 7th

HOME / GRADE 7 MATHEMATICS / NON-CALCULATOR PART / 4 OF 15

Which expressions are equivalent to $-\frac{5}{19}$?

Select **each** correct answer.

- A. $\frac{5}{19}$
- B. $-\frac{5}{19}$
- C. $-\frac{5}{-19}$
- D. $\frac{5}{-19}$
- E. $-\left(\frac{5}{19}\right)$
- F. $-\left(-\frac{5}{19}\right)$

HOME / GRADE 7 MATHEMATICS / NON-CALCULATOR PART / 5 OF 15

Devon exercised the same amount of time each day for 5 days last week.

- His exercise included walking and swimming.
- Each day he exercised, he walked for 10 minutes.
- He exercised for a total of 225 minutes last week.

What is the number of minutes Devon swam **each** of the 5 days last week?

Enter your answer in the box.

minutes

HOME / GRADE 7 MATHEMATICS / NON-CALCULATOR PART / 6 OF 15

Select the correct number from each drop-down menu to complete the equation.

$$\frac{7}{8} - \left(-2 + \frac{3}{4}\right) = \left(\text{Choose...} \downarrow + \text{Choose...} \downarrow\right) + \frac{7}{8}$$

HOME / GRADE 7 MATHEMATICS / NON-CALCULATOR PART / 7 OF 15

Jessica rented 1 video game and 3 movies for a total of \$11.50.

- The video game cost \$4.75 to rent.
- The movies cost the same amount each to rent.

What amount did Jessica pay to rent each movie?

Enter your answer in the box.

\$

HOME / GRADE 7 MATHEMATICS / NON-CALCULATOR PART / 8 OF 15

At the start of the month, the value of an investment was \$48.45. By the end of the month, the value of the investment changed by a loss of \$13.80.

What was the value, in dollars, of the investment at the end of the month? Enter your answer in the box.

\$

Hayden mixed 6 cups of blue paint with 8 cups of yellow paint to make green paint.

Write an equation that shows the relationship between the number of cups of blue paint, b , and the number of cups of yellow paint, y , that are needed to create the same shade of green paint. The equation should be in the form $b = ky$.

Enter your answer in the space provided. Enter **only** your equation.



- [Numbers](#)
- [Arithmetic and Units](#)
- [Exponents and Roots](#)
- [Relations](#)
- [Geometry](#)
- [Groups](#)

In which situation could the quotient of $-24 \div 3$ be used to answer the question?

- A. The temperature of a substance decreased by 24° per minute for 3 minutes. What was the overall change of the temperature of the substance?
- B. A football team loses 24 yards on one play, then gains 3 yards on the next play. How many total yards did the team gain on the two plays?
- C. Julia withdrew a total of \$24 from her bank account over 3 days. She withdrew the same amount each day. By how much did the amount in her bank account change each day?
- D. A cookie jar contains 24 cookies. Each child receives 3 cookies. How many children are there?

Two equations are shown.

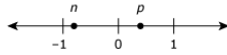
Equation 1: $\frac{2}{3}(x - 6) = 6$

Equation 2: $\frac{2}{3}y - 6 = 6$

Solve each equation. Then, enter a number in each box to make this statement true.

The value of x is , and the value of y is .

Two numbers, n and p are plotted on the number line shown.



The numbers $n - p$, $n + p$, and $p - n$ will be plotted on the number line.

Select an expression from each drop-down menu to make this statement true.

The number with the least value is , and the number with the greatest value is

.

A garden is 15-feet long by 5-feet wide. The length and width of the garden will each be increased by the same number of feet. This expression represents the perimeter of the larger garden:

$$(x + 15) + (x + 5) + (x + 15) + (x + 5)$$

Which expression is equivalent to the expression for the perimeter of the larger garden?

Select **all** that apply.

- A. $4x + 40$
- B. $2(2x + 20)$
- C. $2(x + 15)(x + 5)$
- D. $4(x + 15)(x + 5)$
- E. $2(x + 15) + 2(x + 5)$

Which expressions are equivalent to $3\frac{1}{4} - \left(-\frac{5}{8}\right)$?

Select **all** that apply.

- A. $3\frac{1}{4} - \left(\frac{5}{8}\right)$
- B. $3\frac{1}{4} + \left(\frac{5}{8}\right)$
- C. $3\frac{1}{4} + \left(-\frac{5}{8}\right)$
- D. $3\frac{1}{4} + \left(+\frac{5}{8}\right)$
- E. $-3\frac{1}{4} + \left(-\frac{5}{8}\right)$
- F. $-3\frac{1}{4} + \left(+\frac{5}{8}\right)$

Which expressions are a factor of $-48xyz - 24xy + 40xyz$?

Select **all** that apply.

- A. 4
- B. 24
- C. $3x$
- D. $8y$
- E. $2xy$
- F. $6xy$
- G. xyz