



Write equations and inequalities from contexts

1

m is the result of subtracting r from y

A $r - y = m$

B $y \times m = r$

C $m - y = r$

D $y + m = r$

E $r + m = y$

F $y - r = m$

2

x results from multiplying seven and t

A $\frac{7}{t} = x$

B $\frac{t}{7} = x$

C $\frac{7}{x} = t$

D $t \times x = 7$

E $7 \times x = t$

F $7 \times t = x$

3

Find the number that balances the equation

$$27 - 7 + 3 = 27 - ?$$

A 3

B 1

C 7

D 4

E 2

F 10

4

What number can be put in the circle to make this equation correct?

$$3 \cdot \bigcirc + 6 = 33$$

A $\bigcirc = 9$

B $\bigcirc = 10$

C $\bigcirc = 12$

D $\bigcirc = 8$

E $\bigcirc = 7$

F $\bigcirc = 6$

5

Solve the two-step equation for x.

$$12 + 7x = 61$$

A $x = 8$

B $x = 6$

C $x = 7$

D $x = 9$

6

Solve the two-step equation for x.

$$\frac{x}{4} - 2 = 6$$

A $x = 31$

B $x = 34$

C $x = 33$

D $x = 32$

7

Solve the one-step inequality for x.

$$-7x \geq -14$$

A $x \geq 2$

B $x \leq 3$

C $x < 2$

D $x \leq 2$

8

Solve the one-step inequality for x.

$$-4x \leq -4$$

A $x \leq 1$

B $x \geq 1$

C $x > 1$

D $x \geq 2$



Write equations and inequalities from contexts

9Solve the two-step inequality for x .

$$6x + 12 \leq 48$$

A

$$x \leq 6$$

B

$$x \leq 7$$

C

$$x < 6$$

D

$$x \geq 6$$

10Solve the two-step inequality for x .

$$-2x - 6 \geq -30$$

A

$$x \geq 12$$

B

$$x \leq 13$$

C

$$x < 12$$

D

$$x \leq 12$$

11Solve the two-step inequality for x .

$$12 + \frac{x}{-7} < 15$$

A

$$x > -21$$

B

$$x > -20$$

C

$$x < -21$$

D

$$x \geq -21$$

12

Which equations represent what these meals cost

$$7 \text{ 🍟} = \text{📄 28}$$

$$4 \text{ 🍟} + 4 \text{ 🍩} = \text{📄 36}$$

$$1 \text{ 🍩} = \text{📄 ?}$$

A

$$9f = 28$$

$$4f + 7d = 36$$

$$f = ?$$

B

$$7f = 28$$

$$4f + 7d = 36$$

$$2f = ?$$

C

$$7f = 28$$

$$4f + 7d = 36$$

$$d = ?$$

D

$$7f = 28$$

$$4f + 4d = 36$$

$$d = ?$$