



Interpret an equation as a statement of equality

1

Solve for the missing value

$$? + 6 = 9$$

A 1	B 3	C 11
D 9	E 6	F 2

2

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

$$\bigcirc + 6 = 8$$

A $\bigcirc = 3$	B $\bigcirc = 2$
C $\bigcirc = 0$	D $\bigcirc = 4$
E $\bigcirc = -1$	F $\bigcirc = 1$

3

Find the number that balances the equation

$$7 + 7 = ? + 5$$

A 10	B 6	C 9
D 0	E 13	F 40

4

Find the number that balances the equation

$$8 + 9 = ? + 6 + 6$$

A 9	B 5	C 0
D 3	E 2	F 1

5

Find the number that balances the equation

$$9 - 5 = ? - 3$$

A 10	B 4	C 6
D 8	E 7	F 5

6

Find the number that balances the equation

$$6 \times 3 = 9 \times ?$$

A 2	B 6	C 4
D 0	E 3	F 20

7

Find the number that balances the equation

$$9 + 7 = ? + 12$$

A 10	B 8	C 3
D 4	E 5	F 1

8

Find the number that balances the equation

$$12 - 11 = 27 - 21 - ?$$

A 6	B 9	C 2
D 3	E 7	F 5



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9

Solve for the missing value

$$943 + ? = 1043$$

A 500	B 400	C 300
D 200	E 700	F 100

10

Solve for the missing value

$$759 - ? = 259$$

A 500	B 600	C 400
D 700	E 100	F 1,000

11

Solve for the missing value

$$474 - 108 - ? = 220$$

A 146	B 138	C 178
D 118	E 182	F 166

12

Solve for the missing value

$$? - 163 - 217 - 392 = 66$$

A 946	B 973	C 919
D 865	E 1,054	F 838

13

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

$$4 \cdot \bigcirc + 2 = 66 - 4 \cdot \bigcirc$$

A $\bigcirc = 10$	B $\bigcirc = 7$
C $\bigcirc = 11$	D $\bigcirc = 8$
E $\bigcirc = 9$	F $\bigcirc = 6$

14

Find the number that balances the equation

$$1 + 3 = 9 - ?$$

A 1	B 6	C 8
D 5	E 3	F 7

15

Find the number that balances the equation

$$11 + 11 - 11 = 1 + ?$$

A 11	B 5	C 10
D 7	E 0	F 1

16

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

$$8 \cdot \bigcirc = 52 - 5 \cdot \bigcirc$$

A $\bigcirc = 7$	B $\bigcirc = 3$
C $\bigcirc = 5$	D $\bigcirc = 2$
E $\bigcirc = 6$	F $\bigcirc = 4$



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17

Solve the fraction for 'x' in terms of the variables and reduce.

$$2a = \frac{4b}{3x}$$

A

$$x = \frac{b}{a}$$

B

$$x = \frac{a \cdot b}{6}$$

C

$$x = \frac{2a}{3b}$$

D

$$x = \frac{8a \cdot b}{3}$$

E

$$x = \frac{2b}{3a}$$

18

Is $(x, y) = (-2, 0)$ a solution to this system of linear equations?

$$2x + 2y = -4$$

$$3x + 4y = -6$$

A

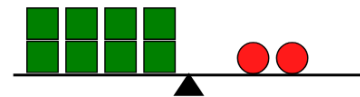
Yes

B

No

19

Which equation represents the solution to the bottom scale?



A

$$9t = c$$

B

$$9t + s = c$$

C

$$8t = c$$

D

$$11t + s = c$$

E

$$13t + s = c$$