

**Solve multi-step linear equations****1**

Solve for the variable in the equation

$$z + 7 = 9$$

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

2

Solve for the variable in the equation

$$5 \times d + 3 = 48$$

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

3

Solve the two-step equation for x.

$$\frac{x}{5} + 1 = 7$$

A $x = 30$	B $x = 29$
C $x = 31$	D $x = 32$

4

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

$$6 \cdot \bigcirc = 24 + 2 \cdot \bigcirc$$

A $\bigcirc = 3$	B $\bigcirc = 6$
C $\bigcirc = 7$	D $\bigcirc = 4$
E $\bigcirc = 5$	F $\bigcirc = 9$

5

Solve for the variable in the equation

$$8b - 6 = 129 - 7b$$

A $b = 10$	B $b = 11$
C $b = 8$	D $b = 7$
E $b = 12$	F $b = 9$

6

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

$$42 \div (7 \times \bigcirc) = 3$$

A $\bigcirc = 4$	B $\bigcirc = 3$
C $\bigcirc = 2$	D $\bigcirc = 5$
E $\bigcirc = 0$	F $\bigcirc = 1$

7

Solve for the variable in the equation

$$6b = 3 + 5b$$

A $b = 0$	B $b = 4$
C $b = 6$	D $b = 5$
E $b = 1$	F $b = 3$

8

How many solutions does this linear equation have?

$$3(4x + 2) = 6x + 4$$

A Infinitely many solutions
B Zero solutions
C One solution

**Solve multi-step linear equations****9**

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

$$7 \cdot \bigcirc - 6 = 22 + 3 \cdot \bigcirc$$

- | | |
|-------------------|------------------|
| A $\bigcirc = 5$ | B $\bigcirc = 8$ |
| C $\bigcirc = 7$ | D $\bigcirc = 9$ |
| E $\bigcirc = 10$ | F $\bigcirc = 4$ |

10

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

$$5 \cdot \bigcirc = 6 + 2 \cdot \bigcirc$$

- | | |
|------------------|-------------------|
| A $\bigcirc = 5$ | B $\bigcirc = 1$ |
| C $\bigcirc = 2$ | D $\bigcirc = -1$ |
| E $\bigcirc = 3$ | F $\bigcirc = 4$ |

11

Solve for the variable in the equation

$$8d - 6 = 34 - 2d$$

- | | |
|-----------|-----------|
| A $d = 2$ | B $d = 1$ |
| C $d = 3$ | D $d = 5$ |
| E $d = 4$ | F $d = 6$ |

12

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

$$2 \times \bigcirc \div 2 = 9$$

- | | |
|-------------------|-------------------|
| A $\bigcirc = 9$ | B $\bigcirc = 10$ |
| C $\bigcirc = 12$ | D $\bigcirc = 6$ |
| E $\bigcirc = 8$ | F $\bigcirc = 7$ |