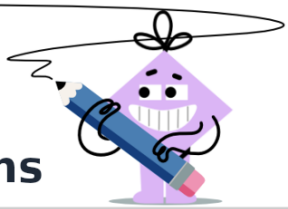
Name



Interpret solutions to linear equations

1

Solve for the variable in the equation

$$\frac{40}{m} = 5$$

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

2

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

$$3 \times \bigcirc \div 5 = 6$$

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

3

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

$$7 \cdot \bigcirc = 40 + 2 \cdot \bigcirc$$

A	$\bigcirc = 9$	B	$\bigcirc = 8$
C	$\bigcirc = 6$	D	$\bigcirc = 7$
E	$\bigcirc = 5$	F	$\bigcirc = 10$

4

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

$$8 \cdot \bigcirc + 7 = 119 - 6 \cdot \bigcirc$$

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

5

Solve for the variable in the equation

$$2r + 9 = 19 - 3r$$

A	$r = 1$	B	$r = 2$
C	$r = -1$	D	$r = 5$
E	$r = 0$	F	$r = 3$

6

Is x = 6 a solution to this linear equation?

$$2(4x + 2) = 2x + 28$$

A	Yes	B	No

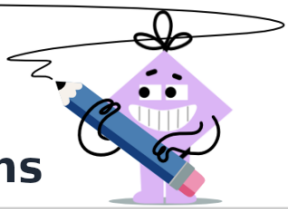
7

How would you check whether x = 4 is a solution to this linear equation?

$$3(2x + 5) = 5x + 19$$

A	$3(2(5) + 5) = 5(5) + 19$
B	$3(2(4) + 5) = 5(4) + 19$
C	$32(4) + 5 = 5(4) + 19$
D	$3(2(4) + 5) = 5x + 19$

Name



Interpret solutions to linear equations

8

How many solutions does this linear equation have?

$$2(4x+2)=8x+3$$

A One solution

B Infinitely many solutions

C Zero solutions

9

Infinitely many solutions

A $4(3x+1)=3x+6$

B $4(3x+1)=12x+4$

10

How many solutions does this system of linear equations have?

A Infinitely many solutions

B Zero solutions

C One solution

11

Is x = 3 a solution to this linear equation?

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

A No

B Yes

12

How many solutions does this linear equation have?

$$2(3x+1)=6x-3$$

A One solution

B Zero solutions

C Infinitely many solutions