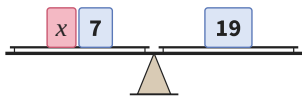


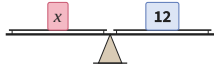
Solving One-Step Equations

ANSWERS

1
Solve $x + 7 = 19$

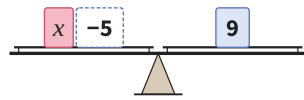


$- 7$ both sides $x = 12$



Answer $x = 12$

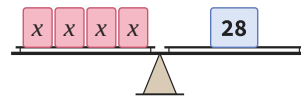
2
Solve $x - 5 = 9$



$+ 5$ both sides $x = 14$

Answer $x = 14$

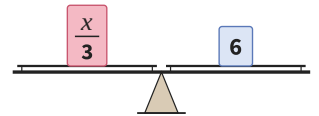
3
Solve $4x = 28$



$\div 4$ both sides $x = 7$

Answer $x = 7$

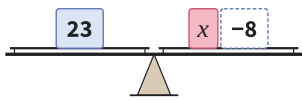
4
Solve $\frac{x}{3} = 6$



$\times 3$ both sides $x = 18$

Answer $x = 18$

5
Solve $23 = x - 8$



$+ 8$ both sides $31 = x$

Answer $x = 31$

6
Solve $x + 9 = 4$

$- 9$ both sides $x = -5$

Answer $x = -5$

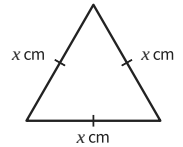
7
I think of a number, n . I divide it by 6. The answer is 7. Write an equation and solve it to find my number.

$\times 6$ both sides $n = 42$

Equation $\frac{n}{6} = 7$

My number 42

8
The sides of this triangle are all x cm long. Its perimeter is 42 cm. Write an equation and solve it to find x .



$\div 3$ both sides $x = 14$

Equation $3x = 42$

$x = 14$ cm

Solving One-Step Equations further practice

ANSWERS

9
Solve $x - 13 = 27$

$+ 13$ both sides $x = 40$

Answer $x = 40$

10
Solve $8m = 56$

$\div 8$ both sides $m = 7$

Answer $m = 7$

11
Solve $9 = \frac{y}{4}$

$\times 4$ both sides $36 = y$

Answer $y = 36$

12
Maya buys a book and a pen. The pen costs £3.75. She spends £11.20 altogether. The book costs £ b . Write an equation and solve it to find the cost of the book.

$- 3.75$ both sides $b = 7.45$

Equation $b + 3.75 = 11.20$

The book £7.45

13
Solve $4x = 3$

$\div 4$ both sides $x = \frac{3}{4}$

Answer $x = \frac{3}{4}$ or $x = 0.75$

14
The diagram shows two angles on a straight line. Write an equation and solve it to find x .



$- 128$ both sides $x = 52$

Equation $x + 128 = 180$

$x = 52^\circ$

15
A jug holds w ml of water. Leo pours out 350 ml. There are 875 ml left in the jug. Write an equation and solve it to find w .

$+ 350$ both sides $w = 1225$

Equation $w - 350 = 875$

$w = 1225$ ml

16
Is Sam right? Explain how you know.

Sam
I solved $x - 7 = 12$ and got $x = 5$.

No, $x = 19$

Add 7 to both sides

Check: $5 - 7 = -2$, not 12