Name: _____ prtutorial.in Date: _____



One Step Equation Worksheet

Solve each equation. Show your working where needed.



1. Solve the addition equations.

a) $x + 5 = 12$ $x =$ _____

b) $y + 8 = 15$ $y =$ _____

c) $m + 7 = 20$ $m =$ _____

d) $n + 6 = 13$ $n =$ _____

e) $p + 9 = 17$ $p =$ _____

f) $k + 4 = 11$ $k =$ _____

2. Solve the subtraction equations.

a) $x - 3 = 7$ $x =$ _____

b) $y - 6 = 9$ $y =$ _____

c) $m - 8 = 4$ $m =$ _____

d) $n - 5 = 12$ $n =$ _____

e) $p - 7 = 6$ $p =$ _____

f) $k - 9 = 3$ $k =$ _____

3. Solve the multiplication equations.

a) $x \times 4 = 20$ $x =$ _____

b) $y \times 7 = 35$ $y =$ _____

c) $m \times 5 = 30$ $m =$ _____

d) $n \times 8 = 56$ $n =$ _____

e) $p \times 3 = 18$ $p =$ _____

f) $k \times 6 = 42$ $k =$ _____

4. Solve the division equations.

a) $x \div 5 = 7$ $x =$ _____

b) $y \div 6 = 9$ $y =$ _____

c) $m \div 4 = 8$ $m =$ _____

d) $n \div 7 = 5$ $n =$ _____

e) $p \div 3 = 6$ $p =$ _____

f) $k \div 8 = 4$ $k =$ _____

5. Solve the equations with variables on both sides.

a) $x + 5 = x + 11$ $x =$ _____

b) $y - 7 = y - 12$ $y =$ _____

c) $m + 3 = m + 9$ $m =$ _____

d) $n - 8 = n - 15$ $n =$ _____

e) $p + 4 = p + 10$ $p =$ _____

f) $k - 6 = k - 2$ $k =$ _____

6. Solve the equations with brackets.

a) $2x + 3 = 11$ $x =$ _____

b) $4x - 5 = 15$ $x =$ _____

c) $3x + 7 = 22$ $x =$ _____

d) $5x - 8 = 17$ $x =$ _____

e) $6x + 2 = 20$ $x =$ _____

f) $7x - 4 = 25$ $x =$ _____

7. Word problems.

a) A number added to 6 gives 14. What is the number?
Answer: _____

b) A number subtracted from 20 gives 8. What is the number?
Answer: _____

c) Three times a number is 27. What is the number?
Answer: _____

d) A number divided by 5 gives 9. What is the number?
Answer: _____

8. Challenge (one step, think carefully).

a) The sum of a number and 15 is 32. What is the number?
Answer: _____

b) A number minus 9 is 14. What is the number?
Answer: _____

c) Six times a number is 48. What is the number?
Answer: _____

d) A number divided by 4 is 7. What is the number?
Answer: _____

9. Fill in the missing number.

a) ____ + 8 = 16 b) 21 − ____ = 7 c) 5 × ____ = 45 d) ____ ÷ 6 = 8 e) $x + 12 = 25$, $x =$ ____

