MATHEMATICS • YEAR 7

Solving One-Step Equations

Use inverse operations to find the value of the unknown.

Name _____ **Date** _____

Solve each equation. Show your working, then write the value of **x**.

+ Addition

Undo the addition

1 $x + 8 = 21$ x = _____

Working _____

2 $x + 14 = 37$ x = _____

Working _____

3 $x + 26 = 50$ x = _____

Working _____

4 $x + 9 = 42$ x = _____

Working _____

− Subtraction

Undo the subtraction

5 $x - 6 = 17$ x = _____

Working _____

6 $x - 19 = 13$ x = _____

Working _____

7 $x - 28 = 35$ x = _____

Working _____

8 $x - 12 = 24$ x = _____

Working _____

× Multiplication

Undo the multiplication

9 $x \times 3 = 27$ x = _____

Working _____

10 $x \times 8 = 56$ x = _____

Working _____

11 $x \times 6 = 42$ x = _____

Working _____

12 $x \times 9 = 81$ x = _____

Working _____

÷ Division

Undo the division

13 $x \div 4 = 7$ x = _____

Working _____

14 $x \div 6 = 8$ x = _____

Working _____

15 $x \div 5 = 12$ x = _____

Working _____

16 $x \div 9 = 11$ x = _____

Working _____

Check your answers: substitute each value of *x* back into its original equation.