

Solving Quadratics by Factorising *fluency*

 **Solve**

1 $(x + 3)(x - 5) = 0$

2 $(x - 2)(x - 7) = 0$

3 $x(x - 4) = 0$

4 $(x + 6)(x + 1) = 0$

5 $(x - 9)(x + 2) = 0$

6 $x(x + 8) = 0$

 **Solve**

7 $x^2 + 5x + 6 = 0$

8 $x^2 + 7x + 10 = 0$

9 $x^2 - 8x + 12 = 0$

10 $x^2 + 2x - 15 = 0$

11 $x^2 - 3x - 28 = 0$

12 $x^2 - 11x + 30 = 0$

 **Solve**

13 $x^2 - 16 = 0$

14 $x^2 - 6x = 0$

15 $x^2 + 9x = 0$

16 $x^2 - 49 = 0$

17 $x^2 - 10x + 25 = 0$

18 $x^2 + 12x + 36 = 0$

 **Solve**

19 $x^2 = 5x + 14$

20 $x^2 + 3x = 18$

21 $x^2 = 81$

22 $x^2 = 7x$

23 $x^2 + 20 = 9x$

24 $x^2 - 4x = 21$

 **Solve**

25 $2x^2 + 10x + 12 = 0$

26 $3x^2 - 27 = 0$

27 $x(x + 2) = 15$

28 $(x + 1)^2 = 9$

29 $4x^2 - 8x = 0$

30 $x(x - 5) = 2x - 12$