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Solving One Step Equations

Grade 2 topic · Foundation and Higher · Edexcel and AQA

How to use this pack
20 questions that get harder as you go. Foundation students: aim for Questions 1–15 (30 marks) and have a go at the rest. Higher students: complete all 20. Show your working on the lines and write your final answer on the answer line, then mark yourself with the answers at the back. Diagrams are not drawn accurately. Total: 50 marks.

Warm-up

1 Solve $x + 5 = 10$. **[1 mark]**

Answer _____

2 Solve $x - 10 = 8$. **[1 mark]**

Answer _____

3 Solve $x + 15 = 28$. **[1 mark]**

Answer _____

4 Solve $x - 7 = 15$. **[1 mark]**

Answer _____

5 Solve x + 6 = 14. **[1 mark]**

Answer _____

Core

6 Solve 3x = 36. **[2 marks]**

Answer _____

7 Solve x/8 = 11. **[2 marks]**

Answer _____

8 Solve 2x = 16. **[2 marks]**

Answer _____

9 Solve $x/6 = 3$. **[2 marks]**

Answer _____

10 Solve $8x = 88$. **[2 marks]**

Answer _____

Stretch

11 Solve $3x + 7 = 28$. **[3 marks]**

Answer _____

12 Solve $7x - 4 = 80$. **[3 marks]**

Answer _____

13 Solve 9x + 9 = 108. **[3 marks]**

Answer _____

14 Solve 9x − 8 = 37. **[3 marks]**

Answer _____

15 Solve 9x + 6 = 96. **[3 marks]**

Answer _____

Challenge

16 Solve $6(x + 9) = 114$. **[4 marks]**

Answer _____

17 Solve $(x + 5)/6 = 9$. **[4 marks]**

Answer _____

18 Solve $5(x - 8) = 10$. **[4 marks]**

Answer _____

19 Solve 2x/6 = 12. **[4 marks]**

Answer _____

20 Solve 8(x + 13) − 6 = 194. **[4 marks]**

Answer _____