JRA Tutors
Private tuition and small online Study Pods

Percentages

Grade 3 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 (31 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 Work out 10% of 220. **[1 mark]**

Answer _____

2 Work out 50% of 80. **[1 mark]**

Answer _____

3 Work out 25% of 40. **[1 mark]**

Answer _____

4 Work out 20% of 40. **[1 mark]**

Answer _____

5 Work out 1% of 600. **[1 mark]**

Answer _____

Core

6 Work out 5% of 180. **[2 marks]**

Answer _____

7 Work out 5% of 300. **[2 marks]**

Answer _____

8 Work out 35% of 100. **[2 marks]**

Answer _____

9 In a test Mia scored 34 out of 40. What percentage is this? **[3 marks]**

Answer _____

10 Write 12 out of 25 as a percentage. **[2 marks]**

Answer _____

Stretch

11 Increase £80 by 10%. **[3 marks]**

Answer _____

12 Decrease £100 by 10%. **[3 marks]**

Answer _____

13 Increase £180 by 10%. **[3 marks]**

Answer _____

14 Decrease £220 by 30%. **[3 marks]**

Answer _____

15 Increase £280 by 25%. **[3 marks]**

Answer _____

Challenge

16 A TV costs £96 including 20% VAT. Work out the price before VAT. **[4 marks]**

Answer _____

17 In a sale, all prices are reduced by 30%. A jacket costs £63 in the sale. What was its original price? **[4 marks]**

Answer _____

18 A pupil scores 9 out of 40 in a test. Write this as a percentage. **[3 marks]**

Answer _____

19 Which is greater, 35% of 80 or 2/5 of 75? Show by how much. **[4 marks]**

Answer _____

20 After a 15% increase a number is 69. Work out the original number. **[4 marks]**

Answer _____