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Calculation Problems

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 (40 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: 60 marks.

Warm-up

1 5 packets of crisps cost 65p each. Work out the total cost in pounds. **[2 marks]**

Answer _____

2 Tom buys 5 books at £11.50 each and pays with a £50 note. How much change does he get? **[2 marks]**

Answer _____

3 A bus has 52 seats. 33 are taken at the first stop. At the next stop 8 get off and 9 get on. How many seats are empty? **[2 marks]**

Answer _____

4 Jo walks 4.7 km to school and the same distance home on each of 10 days. How far does she walk altogether? **[2 marks]**

Answer _____

5 £180 is shared equally between 3 friends. Each friend then spends £9. How much does each friend have left? **[2 marks]**

Answer _____

Core

6 A room is 9.5 m long and 10 m wide. Carpet costs £12 per square metre. Work out the cost of carpeting the room. **[3 marks]**

Answer _____

7 A car park charges £1.80 per hour up to a maximum of £12 per day. How much does it cost to park for 9 hours? **[3 marks]**

Answer _____

8 A hotel room costs £105 per night. A family stays 5 nights and pays £15.50 per night for breakfast. Work out the total cost. **[3 marks]**

Answer _____

9 A tank holds 360 litres. It is 3/8 full. How many more litres are needed to fill it? **[3 marks]**

Answer _____

10 A phone costs £450. A deposit of 25% is paid and the rest is paid in 12 equal monthly payments. How much is each monthly payment? **[3 marks]**

Answer _____

Stretch

11 10 packets of crisps cost 65p each. Work out the total cost in pounds. **[3 marks]**

Answer _____

12 Tom buys 6 books at £8.50 each and pays with a £50 note. How much change does he get? **[3 marks]**

Answer _____

13 A bus has 52 seats. 33 are taken at the first stop. At the next stop 6 get off and 5 get on. How many seats are empty? **[3 marks]**

Answer _____

14 Jo walks 4.7 km to school and the same distance home on each of 9 days. How far does she walk altogether? **[3 marks]**

Answer _____

15 £240 is shared equally between 4 friends. Each friend then spends £11. How much does each friend have left? **[3 marks]**

Answer _____

Challenge

16 A room is 4.5 m long and 10 m wide. Carpet costs £12 per square metre. Work out the cost of carpeting the room. **[4 marks]**

Answer _____

17 A car park charges £1.80 per hour up to a maximum of £12 per day. How much does it cost to park for 12 hours? **[4 marks]**

Answer _____

18 A hotel room costs £95 per night. A family stays 6 nights and pays £13.50 per night for breakfast. Work out the total cost. **[4 marks]**

Answer _____

19 A tank holds 200 litres. It is 3/8 full. How many more litres are needed to fill it? **[4 marks]**

Answer _____

20 A phone costs £430. A deposit of 25% is paid and the rest is paid in 12 equal monthly payments. How much is each monthly payment? **[4 marks]**

Answer _____