



3.7F Percentages: Foundation Tier Practice

EDEXCEL Edexcel 1MA1 · Calculator allowed · about 45 minutes

Total Marks

Name: _____ Date: ____ / ____ / ____

Answer ALL questions. Show all your working.

- 1** Work out 10% of 80.

(Total for Question 1 is 1 mark)

- 2** Work out 5% of £360.

(Total for Question 2 is 1 mark)

- 3** Work out 20% of 45.

(Total for Question 3 is 1 mark)

- 4** A jumper costs £40. It is reduced by 25% in a sale. Work out the sale price of the jumper.

(Total for Question 4 is 2 marks)

- 5** Increase 120 by 15%. Work out the new value.

(Total for Question 5 is 2 marks)

- 6** a) Work out 30% of 90.
b) A bag has 90 sweets. 30% are taken out and shared. How many sweets remain in the bag?

(a) Work out 30% of 90. (1)

(b) How many sweets remain in the bag? (1)

(Total for Question 6 is 2 marks)

- 7** Yusuf has £200. He spends 40% of it on a bike. He then spends 25% of the remaining money on a helmet. Work out how much money Yusuf has left.

(Total for Question 7 is 3 marks)

- 8** A student scored 18 out of 24 on a test. Work out the percentage score correct to the nearest whole percent.

(Total for Question 8 is 2 marks)

- 9** After a 20% increase the price of a radio is £372. Work out the original price of the radio.

(Total for Question 9 is 2 marks)

- 10** Work out 7% of 350. Give your answer as a decimal number.

(Total for Question 10 is 2 marks)

Mark scheme · 3.7F Percentages: Foundation Tier Practice

Question 1

- **B1** 8 cao
- **Answer: 8 (or 8.0)**

Question 2

- **B1** £18 cao
- **Answer: £18**

Question 3

- **B1** 9 cao
- **Answer: 9**

Question 4

- **M1** find 25% of 40 or show 40×0.25 or $40/4$
- **A1** £30 cao
- **Answer: £30**

Question 5

- **M1** find 15% of 120 or show 120×0.15
- **A1** 138 cao
- **Answer: 138**

Question 6

- (a) **B1** 27 cao
- (a) **Answer: 27**
- (b) **B1** 63 cao
- (b) **Answer: 63**

Question 7

- **M1** find 40% of 200 = 80 and subtract to find remaining 120, or show $200 \times 0.6 = 120$
- **M1** find 25% of 120 = 30 and subtract to find remaining 90, or show $120 \times 0.75 = 90$
- **A1** £90 cao
- **Answer: £90**

Question 8

- **M1** find $(18/24) \times 100$ or show $(18/24) \times 100$
- **A1** 75% cao (to nearest whole percent)
- **Answer: 75%**

Question 9

- **M1** recognise original = $372 / 1.20$ or show $372 / 1.2$
- **A1** £310 cao
- **Answer: £310**

Question 10

- **M1** use 0.07×350 or $7/100 \times 350$
- **A1** 24.5 cao
- **Answer: 24.5**