2.5 Percentages: 10-minute Pack

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Use known percentages (such as 10% and 5%) to build up other percentages. Show your method for each part.

(a) Calculate 15% of 60 kg. **(2)**

.....

(b) Calculate 35% of 80 minutes. **(2)**

.....

2 Two shops sell the same jumper. Shop A prices the jumper at £45 and offers 20% off. Shop B prices the same jumper at £50 and offers 30% off.

(a) Calculate the sale price at Shop A. **(2)**

.....

(b) Calculate the sale price at Shop B. **(2)**

.....

(c) State which shop offers the better deal, and by how much. **(1)**

© Revision Library | revisionlibrary.co.uk

3 Priya buys a coat priced at £80. The shop increases the price of the coat by 15%. Work out the new price of the coat.

(3)

© Revision Library | revisionlibrary.co.uk

Mark scheme · 2.5 Percentages: 10-minute Pack

Question 1

(a) finds 10% of 60 (= 6) and 5% of 60 (= 3), or equivalent method **M1**

(a) 9 kg cao **A1**

(a) Answer: 9 kg

(b) finds 10% of 80 (= 8) and uses it to build 35%, or equivalent method **M1**

(b) 28 minutes cao **A1**

(b) Answer: 28 minutes

Question 2

(a) 20% of 45 found (= 9) **M1**

(a) £36 cao **A1**

(a) Answer: £36

(b) 30% of 50 found (= 15) **M1**

(b) £35 cao **A1**

(b) Answer: £35

(c) Shop B, £1 cheaper (ft from parts a and b) **B1**

(c) Answer: Shop B, by £1

Question 3

15% of 80 found (= 12), e.g. via 10% = 8 and 5% = 4 **M1**

dep: 80 + their 15% increase **M1**

£92 cao **A1**

Answer: £92

© Revision Library | revisionlibrary.co.uk