2.5-4 Percentages: Practice Set 4: 10-minute Pack

GL ASSESSMENT GL · Calculators not allowed · about 10 minutes

Total Marks

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Which fraction is equivalent to 65%?

- ☐ A) 13/20
- ☐ B) 3/5
- ☐ C) 7/10
- ☐ D) 13/100
- ☐ E) 5/8

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2 A tablet computer is priced at £90. It is reduced by 20% in a sale. What is the sale price?

- ☐ A) £18
- ☐ B) £63
- ☐ C) £70
- ☐ D) £72
- ☐ E) £108

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3 A drone costs £220. Its price increases by 15%. Find the new price.

(3)

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4 Which is greater, 9/40 or 23%?

- ☐ A) 9/40
- ☐ B) 23%
- ☐ C) They are equal
- ☐ D) 9/40 is greater than 23%
- ☐ E) Cannot be determined without a calculator

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5 A garden centre sells a shed for £350. In a sale, the price is reduced by 12%.

(a) Calculate the amount of the discount. **(1)**

(b) Calculate the sale price. **(1)**

(c) A customer says, 'That's more than a tenth off.' Is the customer correct? Explain your answer using percentages. **(1)**

6 Write 68% as a fraction in its simplest form.

(1)

7 Convert 11/25 to a percentage.

(1)

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Mark scheme · 2.5-4 Percentages: Practice Set 4: 10-minute Pack

Question 1

A) 13/20 cao **B1**

Answer: 13/20

Question 2

D) £72 cao **B1**

Answer: £72

Question 3

10% of 220 found (= 22), used to build 15% (= 33) (oe) **M1**

dep: 220 + their 15% increase **M1**

£253 cao **A1**

Answer: £253

Question 4

B) 23% cao **B1**

Answer: 23% (9/40 = 22.5%)

Question 5

(a) £42 cao **B1**

(a) Answer: £42

(b) £308 cao (ft from part a) **B1**

(b) Answer: £308

(c) Yes, correct (oe), with a valid comparison, e.g. 12% > 10% **B1**

(c) Answer: Yes; 12% is more than a tenth (10%), so the customer is correct.

Question 6

17/25 oe cao **B1**

Answer: 17/25

Question 7

44% cao **B1**

Answer: 44%

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