2.5-3 Percentages: Practice Set 3: 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 55%?

- ☐ A) 11/20
- ☐ B) 9/20
- ☐ C) 1/2
- ☐ D) 11/25
- ☐ E) 5/11

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2 A pair of running shoes is priced at £70. They are reduced by 30% in a sale. What is the sale price?

- ☐ A) £21
- ☐ B) £40
- ☐ C) £42
- ☐ D) £49
- ☐ E) £91

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3 A tablet computer costs £350. Its price increases by 12%. Find the new price.

(3)

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4 Which is greater, 7/20 or 34%?

- ☐ A) 7/20
- ☐ B) 34%
- ☐ C) They are equal
- ☐ D) 7/20 is smaller than 34%
- ☐ E) Cannot be determined without a calculator

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5 A garden centre sells a greenhouse for £220. In a sale, the price is reduced by 15%.

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

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

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

6 Write 90% as a fraction in its simplest form.

(1)

7 Convert 3/20 to a percentage.

(1)

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Mark scheme · 2.5-3 Percentages: Practice Set 3: 10-minute Pack

Question 1

A) 11/20 cao **B1**

Answer: 11/20

Question 2

D) £49 cao **B1**

Answer: £49

Question 3

10% of 350 found (= 35), used to build 12% (= 42) (oe) **M1**

dep: 350 + their 12% increase **M1**

£392 cao **A1**

Answer: £392

Question 4

A) 7/20 cao **B1**

Answer: 7/20 (35%) is greater than 34%

Question 5

(a) £33 cao **B1**

(a) Answer: £33

(b) £187 cao (ft from part a) **B1**

(b) Answer: £187

(c) Yes, correct (oe), with a valid comparison, e.g. 15% < 20% **B1**

(c) Answer: Yes; 15% is less than a fifth (20%), so the customer is correct.

Question 6

9/10 cao **B1**

Answer: 9/10

Question 7

15% cao **B1**

Answer: 15%

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