2.79 Percentage of an Amount: Mental Methods: 10-minute Pack

Total Marks

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

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 There are 140 pupils in a school. 15% of them walk to school. How many pupils walk?

- ☐ A) 22
- ☐ B) 21
- ☐ C) 119
- ☐ D) 155
- ☐ E) 2,100

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2 What is 5% of £900?

- ☐ A) £45.00
- ☐ B) £4,500.00
- ☐ C) £180.00
- ☐ D) £44.00
- ☐ E) £450.00

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3 What is 75% of £860?

- ☐ A) £645.00
- ☐ B) £646.00
- ☐ C) £6,450.00
- ☐ D) £64,500.00
- ☐ E) £215.00

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4 There are 440 pupils in a school. 60% of them walk to school. How many pupils walk?

- [ ] A) 26,400
- [ ] B) 264
- [ ] C) 2,640
- [ ] D) 176
- [ ] E) 263

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5 Chloe buys 230 kg of compost. 1% of it is used on the front garden. How many kg is that?

- [ ] A) 1.3 kg
- [ ] B) 227.7 kg
- [ ] C) 231 kg
- [ ] D) 230 kg
- [ ] E) 2.3 kg

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6 Chloe buys 640 kg of compost. 75% of it is used on the front garden. How many kg is that?

- [ ] A) 160 kg
- [ ] B) 48,000 kg
- [ ] C) 480 kg
- [ ] D) 479 kg
- [ ] E) 715 kg

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7 What is 15% of £940?

- [ ] A) £955.00
- [ ] B) £14,100.00
- [ ] C) £141.00
- [ ] D) £799.00
- [ ] E) £140.00

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8 What is 20% of £500?

- [ ] A) £99
- [ ] B) £520
- [ ] C) £25
- [ ] D) £10,000
- [ ] E) £100

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9 State 1% of £7,250.

(1)

10 Work out 12% of 250.

(2)

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Mark scheme · 2.79 Percentage of an Amount: Mental Methods: 10-minute Pack

Question 1

correct option B (21) cao; 15% of 140 = 140 x 15 / 100 **B1**

Answer: B) 21

Question 2

correct option A (£45.00) cao; 5% of 900 = 900 x 5 / 100 **B1**

Answer: A) £45.00

Question 3

correct option A (£645.00) cao; 75% of 860 = 860 x 75 / 100 **B1**

Answer: A) £645.00

Question 4

correct option B (264) cao; 60% of 440 = 440 x 60 / 100 **B1**

Answer: B) 264

Question 5

correct option E (2.3 kg) cao; 1% of 230 = 230 x 1 / 100 **B1**

Answer: E) 2.3 kg

Question 6

correct option C (480 kg) cao; 75% of 640 = 640 x 75 / 100 **B1**

Answer: C) 480 kg

Question 7

correct option C (£141.00) cao; 15% of 940 = 940 x 15 / 100 **B1**

Answer: C) £141.00

Question 8

correct option E (£100) cao; 20% of 500 = 500 x 20 / 100 **B1**

Answer: E) £100

Question 9

£72.50 cao **B1**

Answer: £72.50

Question 10

use 10% (=25) and 1% (=2.5) or equivalent method **M1**

30 cao **A1**

Answer: 30

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