2.75 Comparing and Ordering Fractions, Decimals and 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 Which of these is the largest?

- ☐ A) 0.25
- ☐ B) 0.28
- ☐ C) 0.35
- ☐ D) 0.2
- ☐ E) 16%

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2 Write 0.58 as a fraction in its simplest form.

(2)

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3 Which of the following is the largest value?

- ☐ A) 0.48
- ☐ B) 48%
- ☐ C) 47/100
- ☐ D) 0.479
- ☐ E) 0.481

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4 Which of these is equal to 0.125?

- ☐ A) 12/1000
- ☐ B) 1/8
- ☐ C) 5/4
- ☐ D) 1.25/1000
- ☐ E) 125/10

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5 Order these values from largest to smallest: 5/6, 83%, 0.835, 49/60

(3)

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6 Priya paints 3/5 of a fence, then paints another 24% of the fence. What fraction of the fence is painted now? Give your answer in its simplest form.

(3)

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Mark scheme · 2.75 Comparing and Ordering Fractions, Decimals and Percentages: 10-minute Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

correct option C (0.35) cao	**B1**

Answer: C) 0.35

Question 2

Correct method to write 0.58 as 58/100 or equivalent seen	**M1**
29/50 cao	**A1**

Answer: 29/50

Question 3

correct option E (0.481) cao	**B1**

Answer: E) 0.481

Question 4

correct option B (1/8) cao	**B1**

Answer: B) 1/8

Question 5

Conversions seen for at least two values (eg 5/6 = 0.8333..., 49/60 = 0.8166...)	**M1**
Conversions for the remaining values or equivalent ordering steps	**M1**
Correct descending order: 0.835, 5/6, 83%, 49/60 cao	**A1**

Answer: 0.835, 5/6 (0.8333...), 83% (0.83), 49/60 (0.8166...)

Question 6

Convert 3/5 to percentage or fraction (3/5 = 60%) or equivalent	**M1**
Add 60% + 24% = 84% or add fractions correctly	**M1**
84% expressed in simplest fractional form = 21/25 cao	**A1**

Answer: 21/25

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