2.3-2 Fractions: Practice Set 2: 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 fully simplified form of 16/24?

- ☐ A) 8/12
- ☐ B) 4/6
- ☐ C) 3/2
- ☐ D) 1/2
- ☐ E) 2/3

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2 Work out 3 1/5 + 2 5/6, giving your answer as a mixed number in its simplest form.

(3)

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3 At a market stall in Coventry, a jacket costs £96. Find 5/8 of £96.

- ☐ A) £12
- ☐ B) £40
- ☐ C) £60
- ☐ D) £72
- ☐ E) £84

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4 Write 5/8 as a decimal.

- ☐ A) 0.58
- ☐ B) 0.625
- ☐ C) 1.6
- ☐ D) 0.65
- ☐ E) 0.85

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5 Put these in order of size, smallest first: 0.6, 58%, 5/8, 7/10

(3)

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6 Which of these fractions is closest in value to 1/2?

- ☐ A) 2/5
- ☐ B) 3/8
- ☐ C) 5/9
- ☐ D) 5/12
- ☐ E) 7/10

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Mark scheme · 2.3-2 Fractions: Practice Set 2: 10-minute Pack

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

Question 1

E) 2/3 cao (HCF of 16 and 24 is 8)	**B1**

Answer: E) 2/3

Question 2

common denominator of 30 used, e.g. 3 6/30 + 2 25/30	**M1**
whole numbers and thirtieths combined correctly, e.g. 5 31/30	**M1**
6 1/30 cao	**A1**

Answer: 6 1/30

Question 3

96 / 8 (= 12) seen	**M1**
C) £60 cao	**A1**

Answer: £60

Question 4

B) 0.625 cao	**B1**

Answer: 0.625

Question 5

at least three values correctly converted to a common form (e.g. decimals: 0.6, 0.58, 0.625, 0.7)	**M1**
all four values correctly converted	**A1**
58%, 0.6, 5/8, 7/10 cao, in this order	**A1**

Answer: 58%, 0.6, 5/8, 7/10

Question 6

C) 5/9 cao	**B1**

Answer: C) 5/9

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