1.10 Fractions: Multiplying and Dividing: 10-minute Pack

Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 Calculate 2 1/2 ÷ 1/4. Show your method.

(2)

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2 A length of ribbon is 2 1/2 metres long. It is cut into pieces each 3/5 metre long. How many full pieces can be cut from the ribbon and how much ribbon is left over? Give the leftover length as a fraction in simplest form.

(3)

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3 15 out of 45 pupils walk to school. What fraction is this? Give your answer in its simplest form.

(2)

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4 Calculate 3/5 × 10.

(1)

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Mark scheme · 1.10 Fractions: Multiplying and Dividing: 10-minute Pack

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

Question 1

convert 2 1/2 to improper fraction 5/2 and use reciprocal: 5/2 × 4/1	**M1**
10 cao	**A1**

Answer: **10**

Question 2

method to divide: convert to improper fractions and divide 5/2 ÷ 3/5 = 5/2 × 5/3	**M1**
calculate 25/6 and identify 4 full pieces with remainder 1/6 of a piece (since 25/6 = 4 1/6)	**M1**
convert remainder to a length: 1/6 × 3/5 = 1/10, so 4 full pieces and leftover 1/10 metre cao	**A1**

Answer: **4 full pieces, leftover 1/10 m**

Question 3

15/45 seen	**M1**
1/3 cao	**A1**

Answer: **1/3**

Question 4

6 cao	**B1**

Answer: **6**

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