3.5 Direct Proportion and the Unitary Method: 10-minute Pack

Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 One of a type of ticket costs £5.70. Work out the cost of 3 of them.

(1)

2 A shop sells rice in two sizes. Pack A is 750 g for £1.66. Pack B is 500 g for £1.92. Which pack is better value? You must show your working.

(3)

3 A recipe for 4 people uses 200 g of rice and 275 g of butter. Work out how much of each ingredient is needed for 14 people.

(3)

4 A recipe makes 6 pancakes using 300 g of flour. How much flour is needed for 1 pancake?

(2)

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Question 1

£17.10 cao	**B1**

Answer: **£17.10**

Question 2

price per gram or grams per penny for one pack	**M1**
same measure for the other pack (or both scaled to a common weight)	**M1**
Pack A, with a correct comparison	**A1**

Answer: **Pack A**

Question 3

scale factor 14/4 or amount for 1 person	**M1**
700 g of rice	**A1**
962.5 g of butter	**A1**

Answer: **700 g of rice, 962.5 g of butter**

Question 4

Divide 300 by 6 or show 300/6 method	**M1**
50 g cao	**A1**

Answer: **50 g**

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