

KS3 Questions - Application Of Ratio.

Level 3 to 5.

1. The table shows the exchange rates between different currencies.

£1 (pound) is worth 1.64 euros
\$1 (dollar) is worth 1.05 euros

(a) Jane changes £400 into euros.
How many euros does she receive?

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Answer euros

(2)

(b) Sonia changes 672 euros into dollars.
How many dollars does she receive?

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Answer dollars

(2)

(Total 4 marks)

2. A supermarket sells boxes of the same brand of teabags in three different sizes.



Work out the cost of 20 teabags for each size.

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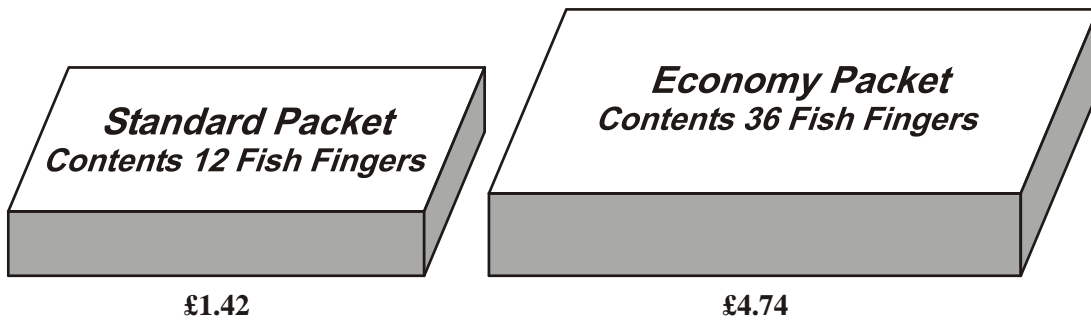
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Answer Small p Medium p Large p

(Total 4 marks)

3. Packets of fish fingers are sold in two sizes.



Which size packet is the better value for money? You **must** show all your working.

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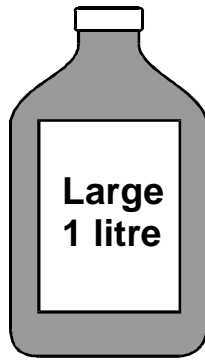
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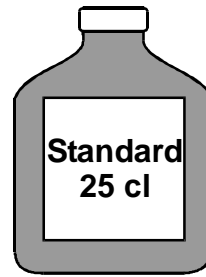
Answer

(Total 2 marks)

4. Mineral water is sold in two sizes.



£1.49



59p

Which size is the better value for money?
You **must** show all your working.

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Answer

(Total 2 marks)

5. Clive spends €1.84 buying an ice cream in Portugal.
The exchange rate is €1.60 to the £1.

Find the cost of Clive's ice cream in pounds.

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Answer £

(Total 2 marks)

6. In the USA, a leather jacket costs \$96.
The exchange rate is \$1.60 to £1.

Find the cost of the jacket in £.

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Answer £
(Total 2 marks)

7. Apples are sold in a farm shop at £1.76 per kilogram.

Calculate the price of 1 pound of apples.

Use the conversion 1 kilogram = 2.2 pounds

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Answer
(Total 3 marks)

Levels 6 to 7.

8. Sweets are sold in two sizes of packet.
The large packet holds 850 grams of sweets and costs £2.25.
The small packet holds 280 grams of sweets and costs 75 pence.

Which packet of sweets is the better value for money?
You **must** show all your working.

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(Total 4 marks)

9. The table shows the amounts needed to make 24 biscuits.

Ingredient	Amount for 24 biscuits	Amount for 36 biscuits
Sugar	80 g	
Flour	280 g	
Butter	190 g	

Calculate the amounts needed to make 36 biscuits.
Write your answers in the table.

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(Total 3 marks)

10. A map has a scale of 1:5000
On the map, the length of a sports field is 3 cm.

What is the actual length of the sports field?
Give your answer in metres.

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Answer m
(Total 3 marks)