

Q1.



How many **kilograms** of pasta does he need for **12 people**?

Show your method

kg

Q2.

How many more **grams** does Chen's parcel weigh than Megan's parcel?

Show
your
method

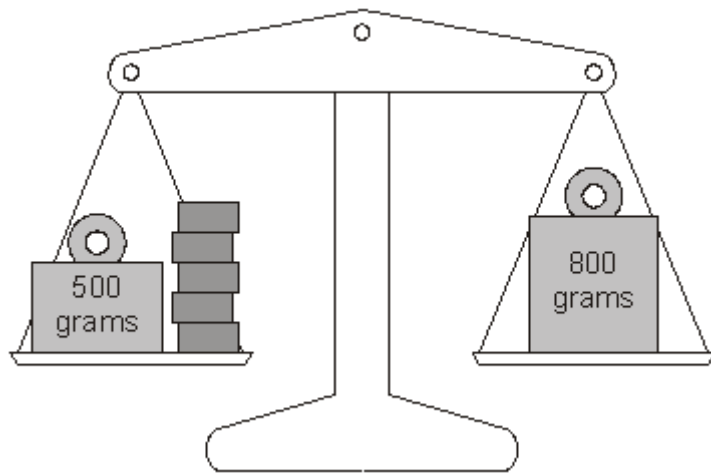
g

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Q3.

Lin has five blocks which are all the same.

She balances them on the scale with two weights.



Calculate the weight of **one** block.

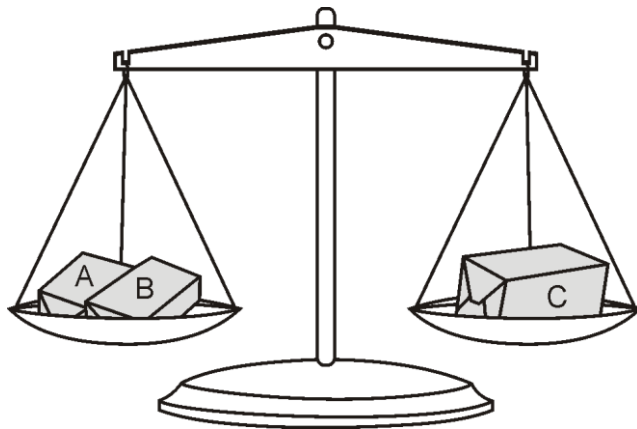
Show your method

2 marks

Q4.

Amir has three parcels.

Parcels A and B together weigh the same as parcel C.



The three parcels weigh 800 grams altogether.

Parcel A weighs 250g.

How much does parcel B weigh?

Show your method

g

2 marks

Q5.

One toffee apple
needs:

1 stick,

100 g of sugar,

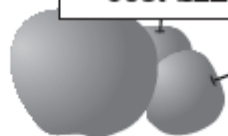
1 apple.



50 sticks
cost £6.25



1 kg of sugar
costs £0.99



100 apples
cost £22.50

Children buy just enough sticks, sugar and apples to make **100** toffee apples.

They sell all 100 toffee apples for **£1 each**.

The profit goes to charity.

Work out how much money goes to charity.

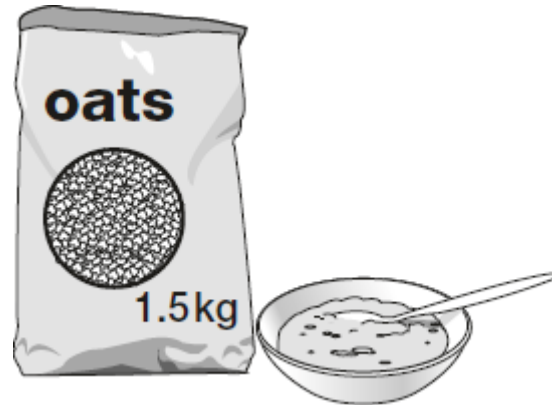
Show
your
method

£

3 marks

Q6.

A packet contains 1.5 kg of oats.



Every day Maria uses 50 g of oats to make porridge.

How many days does the packet of oats last?

Show your method

days

2 marks

Q7.

One gram of gold costs £32.94

What is the cost of **half a kilogram** of gold?

Show
your
method

£

2 marks

Q8.

Miss Mills is making jam to sell at the school fair.

Strawberries cost £7.50 per kg.

Sugar costs 79p per kg.

10 glass jars cost £6.90

She uses 12 kg of strawberries and 10 kg of sugar to make 20 jars full of jam.

Calculate the total cost to make 20 jars full of jam.

Show
your
method

£

3 marks

M1. Award **TWO** marks for the correct answer of 1.05 kg.

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg:

■ $12 \div 4 = 3$

$$350 \times 3 = 1050$$

$$1050 \div 1000 = \text{wrong answer}$$

Do not accept 1050 g

Accept for **ONE** mark 10.5 or 105 as evidence of appropriate working.

Working must be carried through to reach an answer for the award of **ONE** mark.

Up to 2m

[2]

M2. Award **TWO** marks for the correct answer of 300

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg

$$1\frac{1}{2} \text{ kg} = 1500 \text{ g}$$

$$1.2 \text{ kg} = 1200 \text{ g}$$

$$1500 \text{ g} - 1200 \text{ g} = \text{wrong answer}$$

Answer must be in grams for the award of **TWO** marks.

Do not accept 0.3 kg.

Working must be carried through to reach an answer for the award of **ONE** mark.

Up to 2

[2]

M3. Award **TWO** marks for the correct answer of 60

If the answer is incorrect, award **ONE** mark for evidence of appropriate method, eg

$$800 - 500 = 300$$

$$300 \div 5$$

Answer need not be obtained for the award of **ONE** mark.

Up to 2 (U1)

[2]

M4. Award **TWO** marks for the correct answer of 150

If the answer is incorrect, award **ONE** mark for evidence of appropriate working, eg
 $800 \div 2 = 400$
 $400 - 250 = \text{wrong answer}$

*Working must be carried through to reach an answer for the award of **ONE** mark.*

Up to 2 (U1)

[2]

M5. Award **THREE** marks for the correct answer of £55.10

Award **TWO** marks for a complete correct method with one arithmetic error, eg

■	Sticks	£12.50
	Sugar	£ 9.99 (error)
	Apples	+ <u>£22.50</u>
	Total	£44.99
	Profit	£100.00
		- <u>£ 44.99</u>
		£ 55.01

OR

If the answer is incorrect, award **TWO** marks for evidence of a correct total for all the ingredients, eg

■	Sticks	£12.50
	Sugar	£ 9.90
	Apples	+ <u>£22.50</u>
	Total	£44.99

OR

Award **ONE** mark for sight of £12.50 **and** £9.90

Up to 3

[3]

M6.

Award **TWO** marks for the correct answer of 30.

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g.

- 1.5 kg = 1,500 g
 $1,500 \div 50$

*Answer need not be obtained for the award of **ONE** mark.*

*Units must be converted correctly for the award of **ONE** mark.*

Up to 2m

[2]

M7. Award **TWO** marks for the correct answer of £16,470

If the answer is incorrect, award **ONE** mark for evidence of an appropriate method, e.g:

- $£32.94 \times 1000 = £32,940$
 $£32,940 \div 2$

OR

- $£32.94 \times 500$
 $= £3294 \times 5$

*Answer need not be obtained for the award of **ONE** mark.*

Up to 2

[2]

M8.

Award **THREE** marks for the correct answer of £111.70.

If the answer is incorrect, award **TWO** marks for:

- sight of £90 **AND** £7.90 **AND** £13.80 as all multiplication steps completed correctly.

*Accept for **TWO** marks, sight of 9,000p **AND** 790p **AND** 1,380p as all multiplication steps completed correctly.*

OR

evidence of an appropriate complete method with no more than one arithmetic error, e.g.

$$\begin{array}{r} 7.50 \\ \times 12 \\ \hline 88.80 \\ \text{(error)} \end{array} \quad \begin{array}{r} 79 \\ \times 10 \\ \hline 790 \end{array} \quad \begin{array}{r} 6.90 \\ \times 2 \\ \hline 13.80 \end{array}$$

$$88.80 + 7.90 + 13.80 = 110.50$$

Award **ONE** mark for evidence of an appropriate complete method.

*Answer need not be obtained for the award of **ONE** mark.*

A misread of a number may affect the award of marks. No marks are awarded if there is more than one misread or if the mathematics is simplified.

TWO marks will be awarded if an appropriate complete method with the misread number is followed through correctly.

ONE mark will be awarded for:

- all multiplication steps completed correctly with the misread number.

OR

- evidence of an appropriate complete method with the misread number followed through correctly with no more than one arithmetic error.

Up to 3m

[3]