



**MULTI-STEP PROBLEM SOLVING**

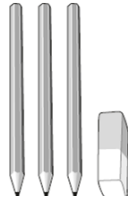
Help Code : 023

9

6 pencils cost £1.68



3 pencils and 1 rubber cost £1.09



What is the cost of 1 rubber?

Show your method

19

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.

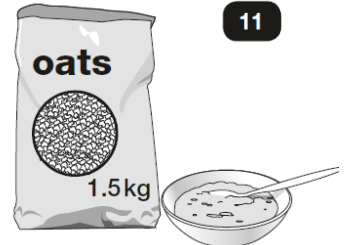


Show your method

£

11

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

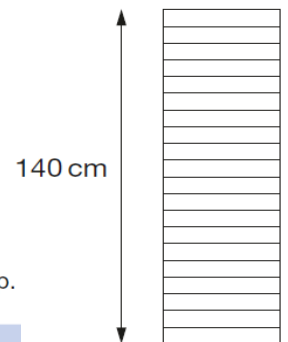
days

13

A stack of 20 identical boxes is 140 cm tall.



Not actual size



Stefan takes **three** boxes off the top.

How tall is the stack now?

Show your method

cm

20

Lara had some money.

She spent £1.25 on a drink.

She spent £1.60 on a sandwich.

She has **three-quarters** of her money left.



How much money did Lara have to **start with**?

Show your method

6

Jacob cuts **4 metres** of ribbon into **three** pieces.

The length of the first piece is **1.28 metres**.

The length of the second piece is **1.65 metres**.



Work out the length of the third piece.

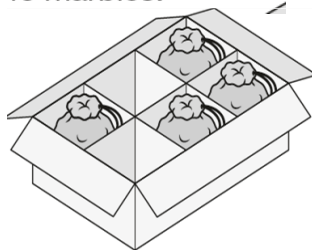
Show your method

11

A toy shop orders 11 boxes of marbles.

Each box contains 6 bags of marbles.

Each bag contains 45 marbles.

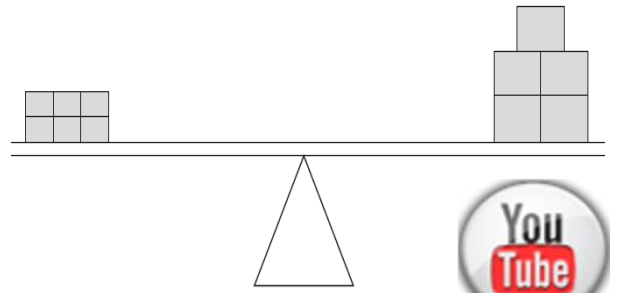


How many **marbles** does the shop order in total?

Show your method

16

6 small bricks have the same mass as 5 large bricks.



The mass of one small brick is 2.5 kg.

What is the mass of one large brick?

Show your method

2

A pack of paper has 150 sheets.

4 children each take 7 sheets.



How many sheets of paper are left in the packet?

Show your method

sheets	
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The mass of a 10p coin is 6.5g.

9

The mass of a 5p coin is half the mass of a 10p coin.

What is the mass of these six coins **altogether**?



Show your method

grams	
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16

Large pizzas cost £8.50 each.

Small pizzas cost £6.75 each.

Five children together buy one large pizza and three small pizzas.

They share the cost equally.

How much does each child pay?



Show your method

£	
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10

A bag of 5 lemons costs £1

A bag of 4 oranges costs £1.80



How much **more** does one orange cost than one lemon?

Show your method

£	
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16

Lara chooses a number less than 100

She divides it by 3 and then subtracts 11

She then divides this result by 2

Her answer is 10.5

What was the number she started with?

Show your method

YouTube	
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# Y6 SATs

# Problem Solving

Help Code : 023

2006A KS2 Q7



Lin needs to solve this problem.

**'How many children are in the class?'**



Tick (✓) **all** the information that Lin needs to solve her problem.

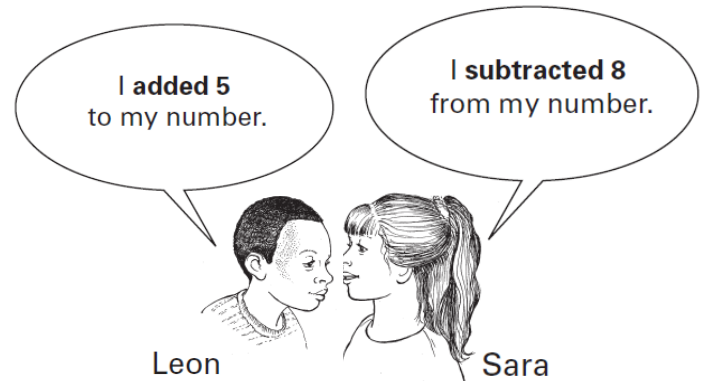
- There are 9 girls in the class.
- 5 girls in the class wear glasses.
- There are twice as many boys as girls in the class.

# BOOSTER

2000A KS2 Q12



Leon and Sara each started with **different** numbers.



Leon and Sara both get the **same** answer.

What numbers could they have started with?

Leon

Sara