KS2 Maths SKILLS ORGANISER

presents GENIUS MATHS

MULTI-STEP PROBLEM SOLVING
(using column methods)

Help Code : 012

8

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4 This table shows the heights of three mountains.

Mountain	Height in metres
Mount Everest	8,848
Mount Kilimanjaro	5,895
Ben Nevis	1,344

How much higher is Mount Everest than the combined height of the other two mountains?

You Tube

Show your method

metres

At the start of June, there were 1,793 toy cars in the shop.

During June,

• 8,728 more toy cars were delivered

• 9,473 toy cars were sold.

How many toy cars were left in the shop at the end of June ?

You Tube

Show your method

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13 Ally and Jack buy some stickers.

You Tube

Pack of 12 stickers
£10.49

12 stickers
99p each

Ally buys a pack of 12 stickers for £10.49

Jack buys 12 single stickers for 99p each.

How much more does Jack pay than Ally?

Show your method

£

19 Amina posts three large letters.

The postage costs the same for each letter.

She pays with a £20 note.

Her change is £14.96

Show your method

What is the cost of posting **one** letter?

£ [ ]

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5 The children at Farmfield School are collecting money for charity.

Their target is to collect £360

So far they have collected £57.73

How much **more** money do they need to reach their target ?

£ [ ]

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14 3 pineapples cost the same as 2 mangoes.

One mango costs £1.35

How much does **one** pineapple cost?

Show your method

£ [ ]

12

24 white balloons

24

12 red balloons

12

Adam buys **6** bags of white balloons.
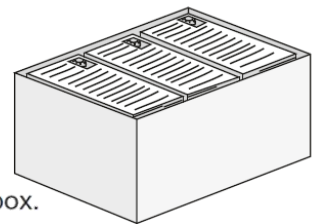
Chen buys **3** bags of red balloons.

'I have four times as many balloons as Chen.'

Adam says,

Explain why Adam is correct.

16

There are 2,400 leaflets in a box.

William and Ally take 450 leaflets each.

Adam and Chen share the rest of the leaflets equally.
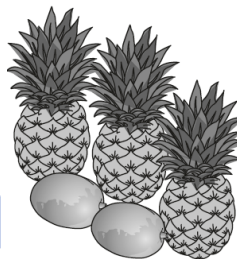
How many leaflets does Adam get?

Show your method

[ ]

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

£

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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.

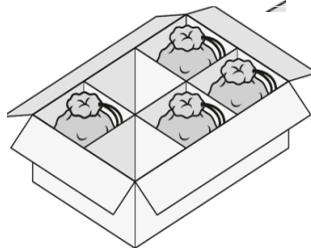Work out the length of the third piece.

Show your method

metres

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11 A toy shop orders 11 boxes of marbles.

Each box contains 6 bags of marbles.

Each bag contains 45 marbles.
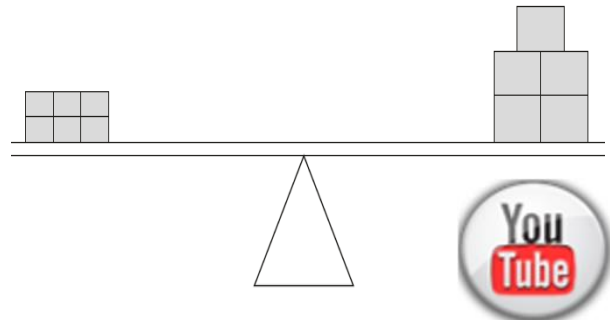
45 marbles

45 marbles

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

Show your method

marbles

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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

kg

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

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

£

9

The mass of a 10p coin is 6.5g.

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

10

A bag of 5 lemons costs £1

A bag of 4 oranges costs £1.80

£1

£1.80

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

Show your method

£

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

2006A KS2 Q7

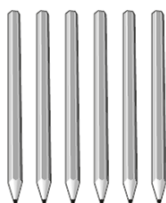Lin needs to solve this problem.

'How many children are in the class?'

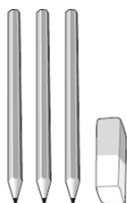Tick (✔) **all** the information that Lin needs to solve her problem.

☐ 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.

9

6 pencils cost **£1.68**
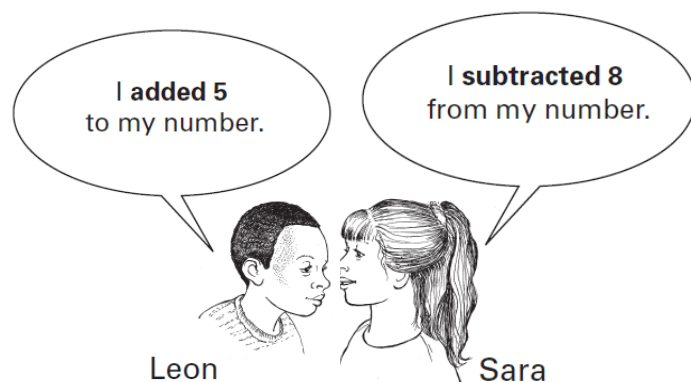
3 pencils and 1 rubber cost **£1.09**

What is the cost of **1 rubber**?

Show your method

2000A KS2 Q12

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

I **added 5** to my number.

I **subtracted 8** from my number.

Leon   Sara

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

What numbers could they have started with?

Leon ☐   Sara ☐

A packet contains 1.5 kg of oats.

oats

11

1.5kg

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

How many days does the packet of oats last?

Show your method

days

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

£

13 A stack of 20 identical boxes is 140 cm tall.

Not actual size

140 cm

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

How tall is the stack now?

Show your method

cm