Maths Problems

Here are 10 maths problems for you to think about. The answers are on the following slide. Try not to peep until you have solved the problem, or had a good think about it.

If you can, talk to someone about the problem.

1.

Luca thinks of a four-digit number.

When rounded to the nearest tenth his number rounds to

23.6

What could his number be?

Find all possibilities

1.

23.55	23.56
23.57	23.58
23.59	23.60
23.61	23.62
23.63	23.64

2.

Harry's three pet penguins weigh 650kg altogether.

The lightest is 137kg and the heaviest is twice this weight.

What is the weight of the middle penguin?

2.

239kg

3.

Oliver is planning the drinks for his birthday party.

He needs drinks for 16 people and his glasses each hold 0.3l.

How many litres of drink will he need to buy for everyone to have two drinks each?

3.

10 litres.

4.

An isosceles triangle has one side length 8.7cm and another side length 6.3cm.

What could its perimeter be?

Try to find more than one answer.

4.

23.7cm

or

21.3cm

5.

One tin of paint covers an area of 5m².

Sophie wants to paint a rectangular wall that measures 14 by 2.3 metres.

How many tins of paint will she need?

5.

7 tins of paint

6.

Six boxes of deluxe chocolates weigh 2kg 100g altogether.

What is the weight of one box of chocolates?

A box of deluxe chocolates costs £7.00.

How much would 100g of chocolates cost?

6.

350g

£2.00

7.

Alfie threw the javelin 6.47 metres on his second try.

This was 72cm further than his first try.

How far did he throw the fist javelin?

7.

5.75 metres

8.

2kg 350g of porridge oats will feed 100 people.

How many grams of porridge oats would be needed to feed 60 people?

Hint: how many grams would be needed to feed 10 people?

8.

1,410 g or

1kg 410g

or 1.41kg

9.

Jacob measured a line to the nearest centimetre.

It measured 7cm.

What is the shortest and longest the line could be in mm?

9.

Shortest 65mm

Longest 74mm

10.

A rectangle has a perimeter of 14cm.

What could the area of the rectangles be?

Try to find as many solutions as possible.

10.

$6cm^2$

$10cm^2$

$12cm^2$

That's all for now folks!

Keep busy!

Keep smiling!

Be kind!