

Friday Maths Challenge



The most suitable questions for Year 3 are 1, 2, 3 & 4. But why don't you work with your family on the rest of the problems. Do as many as you can! Help each other out.

Flashback: How much can you remember?

1) What shape has one face and no vertices?



2) How many vertical lines does the envelope have?



3) Sally skips for 2 minutes and her sister skips for 45 seconds. How long do they skip altogether?

4) Complete.

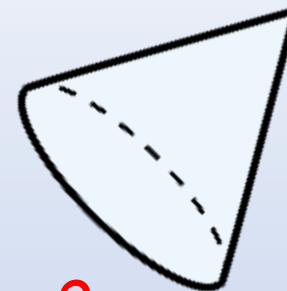
£10.50

£10.50		
£__ and __p	£5	210p

Flashback: Answers

1) What shape has one face and no vertices?

A sphere



2) How many vertical lines does the envelope have? 2



3) Sally skips for 2 minutes and her sister skips for 45 seconds. How long do they skip altogether? 165 seconds

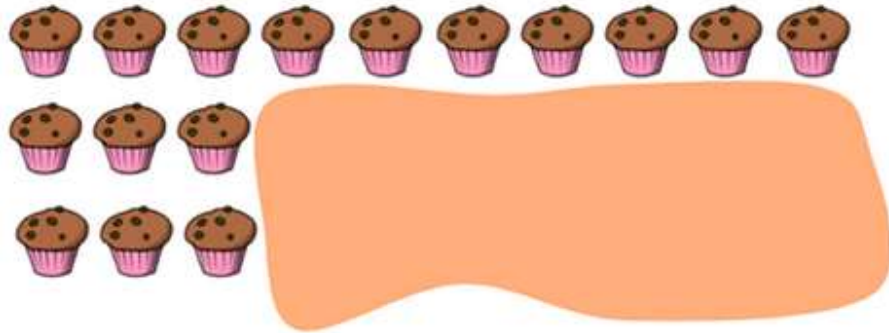
4) Complete.

£10.50

£ <u>3</u> and <u>40</u> <u> </u> p	£5	210p
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Challenge 1

30 cakes are arranged in an **array**. Some of the cakes are hidden.



How many cakes are hidden?

Challenge 2

Work out the missing numbers.

$$10 \times 2 = 5 \times \text{blue circle}$$

$$10 + 2 = 5 + \text{orange triangle}$$

$$10 \div 2 = 5 \div \text{green square}$$

$$10 - 2 = \text{yellow heart} - 5$$

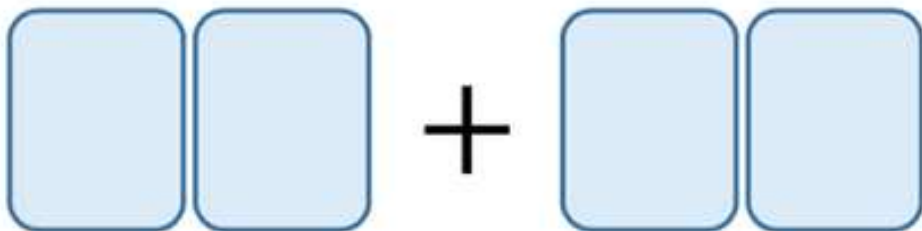
Challenge 3

Danni has these four digit cards.



Danni uses all four cards to make two 2-digit numbers.

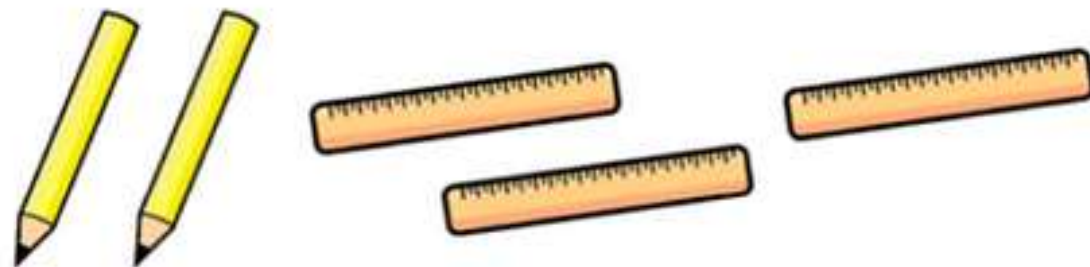
She then adds the two numbers together.



What is the greatest total she can make?

Challenge 4

Sonny buys 2 pencils and 3 rulers.



Each pencil costs 69p.

Sonny pays with a £5 note and receives £1.07 change.

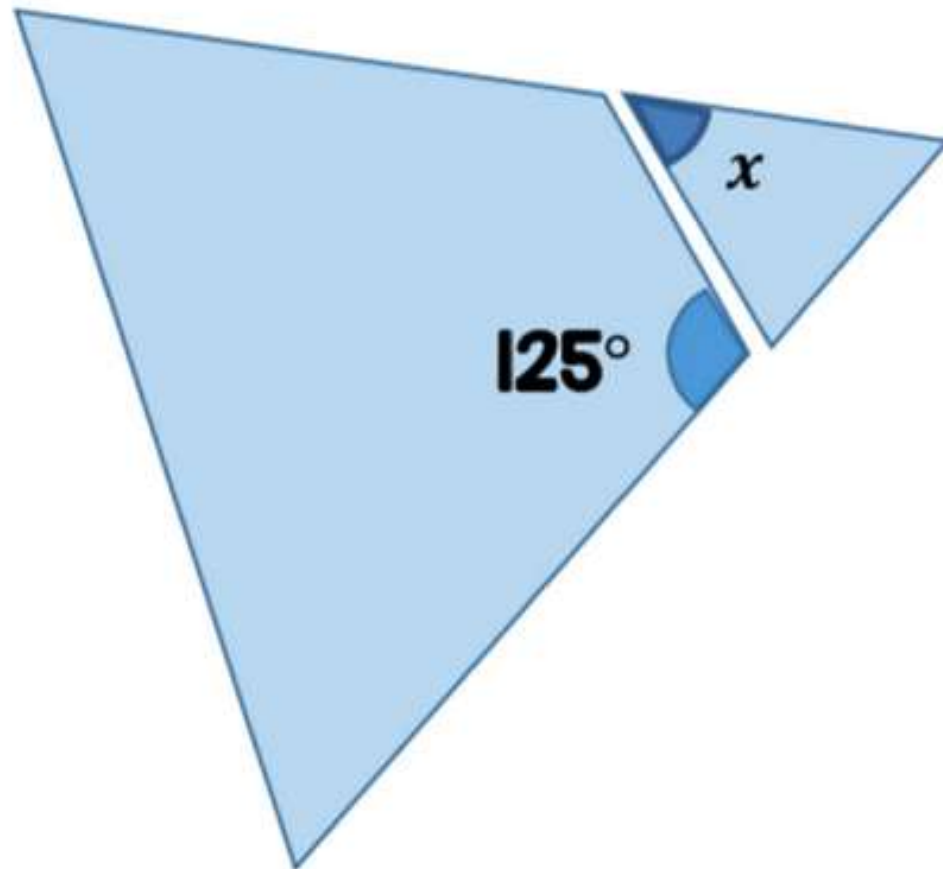
How much does a ruler cost?

Challenge 5

Adam has an equilateral triangle.

He cuts a corner off the triangle.

Here are the two pieces.



Answers

Challenge 1 - 14 cakes

Challenge 2 -

 = 4  = 7  = 1  = 13

Challenge 3 - 95

Challenge 4 - 85p

Challenge 5 - 65°