

REASONING

6ER14

First name _____

Last name _____

School _____

Class _____

Date of birth ○○ ○○ ○○○○

Date of test ○○ 05 2014

Total score (maximum 20)

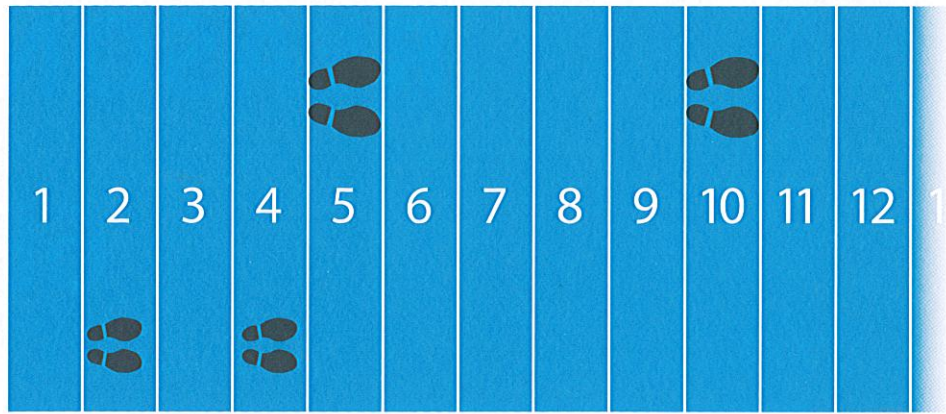


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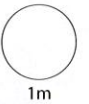


Llywodraeth Cymru
Welsh Government

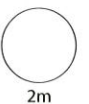
1



When **Mick** is on **20**, where is Sam?



When **Sam** is on **14**, where is Mick?

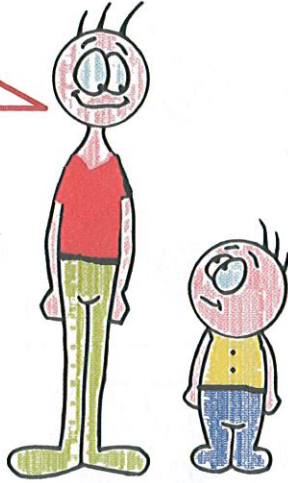


Mick and Sam start again.

They decide to race.

I will start on **0**

Your jumps are smaller
so you start on **50**























Mick

Sam

Who gets to **100** first?

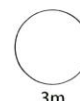
Show how you work it out.

2 Each picture stands for a number.

				Total of the row
				20
				28
				35
				46
				?

What is the total of the last row?





3m

3



big pack, 5 pens



small pack, 3 pens

Give two **different** ways to buy exactly **34** pens.

big packs and

small packs

or

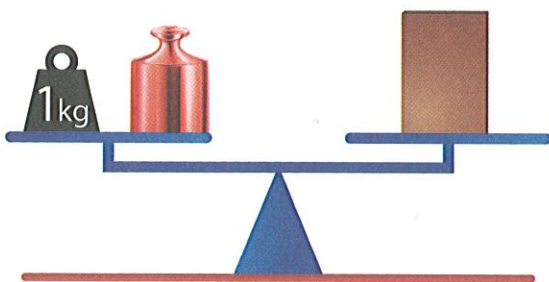
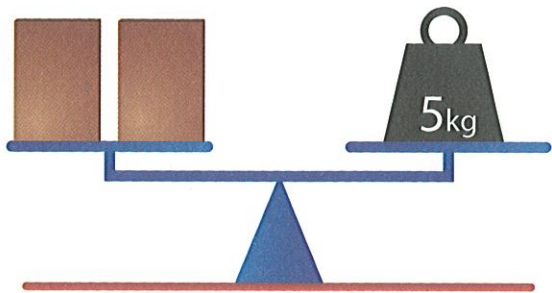
big packs and

small packs

2m

4

Both sets of scales are balanced.



How much does  weigh?

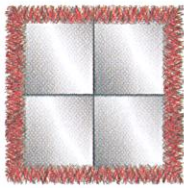
 kg

2m

TOTAL

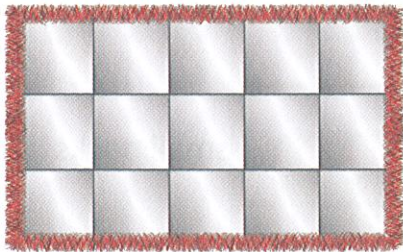
7m

- 5 Anna uses red tinsel to decorate square mirror tiles.



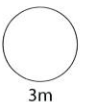
is made from **4** tiles.

She puts **80cm** of red tinsel around the perimeter.



is made from **15** tiles.

How many centimetres of red tinsel does she put around the perimeter?

A large red rectangular box for writing the answer. In the top left corner, there is a small icon of a notepad and a pencil. In the bottom right corner, there is a smaller red rectangular box containing the text "cm".


6 The medals for the 2012 Olympics were made in Wales.

<p>Gold medal</p> <p>Made from:</p> <ul style="list-style-type: none">• 6 grams of gold• 370 grams of silver• 24 grams of copper.		<p>Silver medal</p> <p>Made from:</p> <ul style="list-style-type: none">• 370 grams of silver• 30 grams of copper.	
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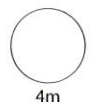
	Gold	Silver	Copper
Cost of one gram	£36.50	£0.63	£0.01

A gold medal cost **more** to make than a silver medal.

How much more?



£ more



TOTAL

