

REASONING

6ER14

First name _____

Last name _____

School _____

Class _____

Date of birth

Date of test

Total score (maximum 20)



117609



Llywodraeth Cymru
Welsh Government

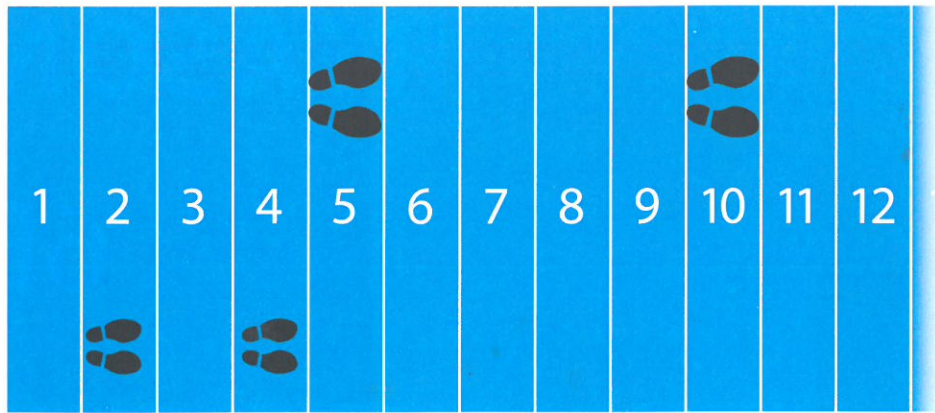
1



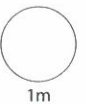
Mick



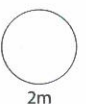
Sam



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



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

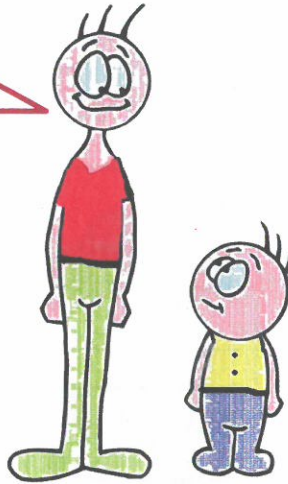


Mick and Sam start again.

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.

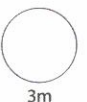


2 Each picture stands for a number.

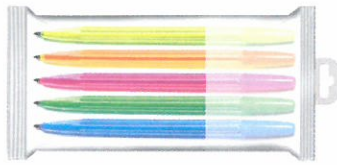
				Total of the row
				20
				28
				35
				46
				?

What is the total of the last row?

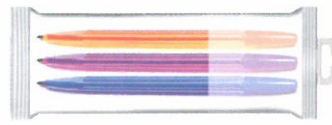




3



big pack, **5** pens



small pack, **3** pens

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

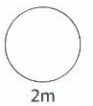
big packs and

small packs

or

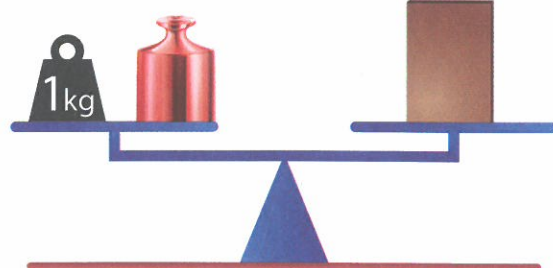
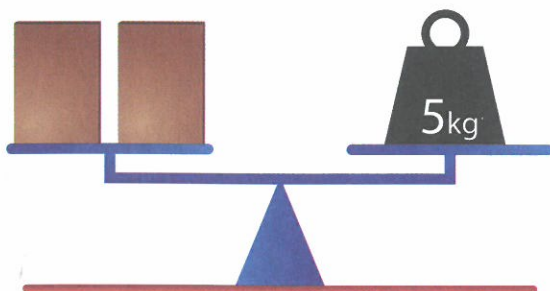
big packs and

small packs

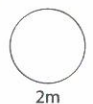


4

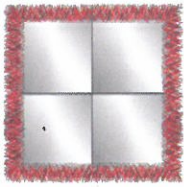
Both sets of scales are balanced.



How much does  weigh?

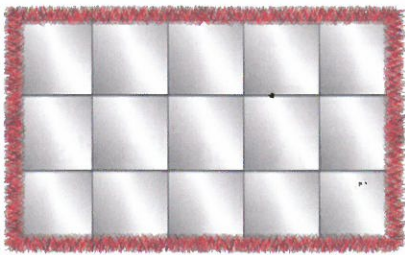
 kg


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



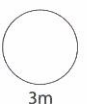
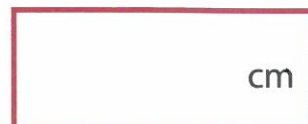
is made from **4** tiles.

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?



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

Gold medal	Silver medal
 <p>Made from:</p> <ul style="list-style-type: none"> • 6 grams of gold • 370 grams of silver • 24 grams of copper. 	 <p>Made from:</p> <ul style="list-style-type: none"> • 370 grams of silver • 30 grams of copper.

	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