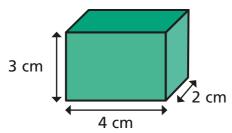
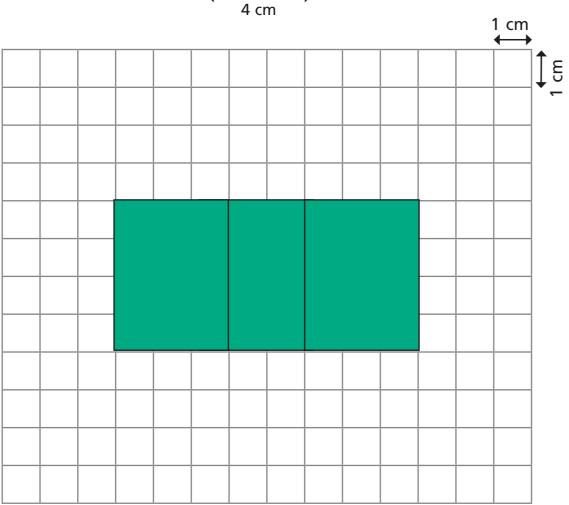


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Complete the net of the cuboid.





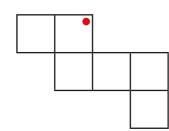
Here is the net of a cube.

5

The net is made into a cube.

Which two corners will meet the corner marked with •?

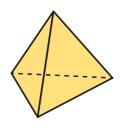
Mark them with a cross.



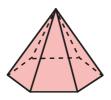


K

a) Complete a drawing of the net for the tetrahedron. 6

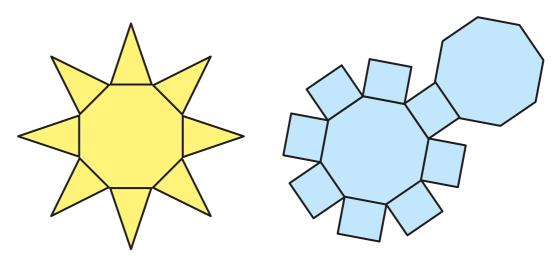


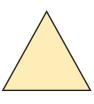
b) Draw the net of this hexagonal pyramid.



7

Which of these shapes is the net of a prism? Tick your answer. Talk about your reasoning with a partner.



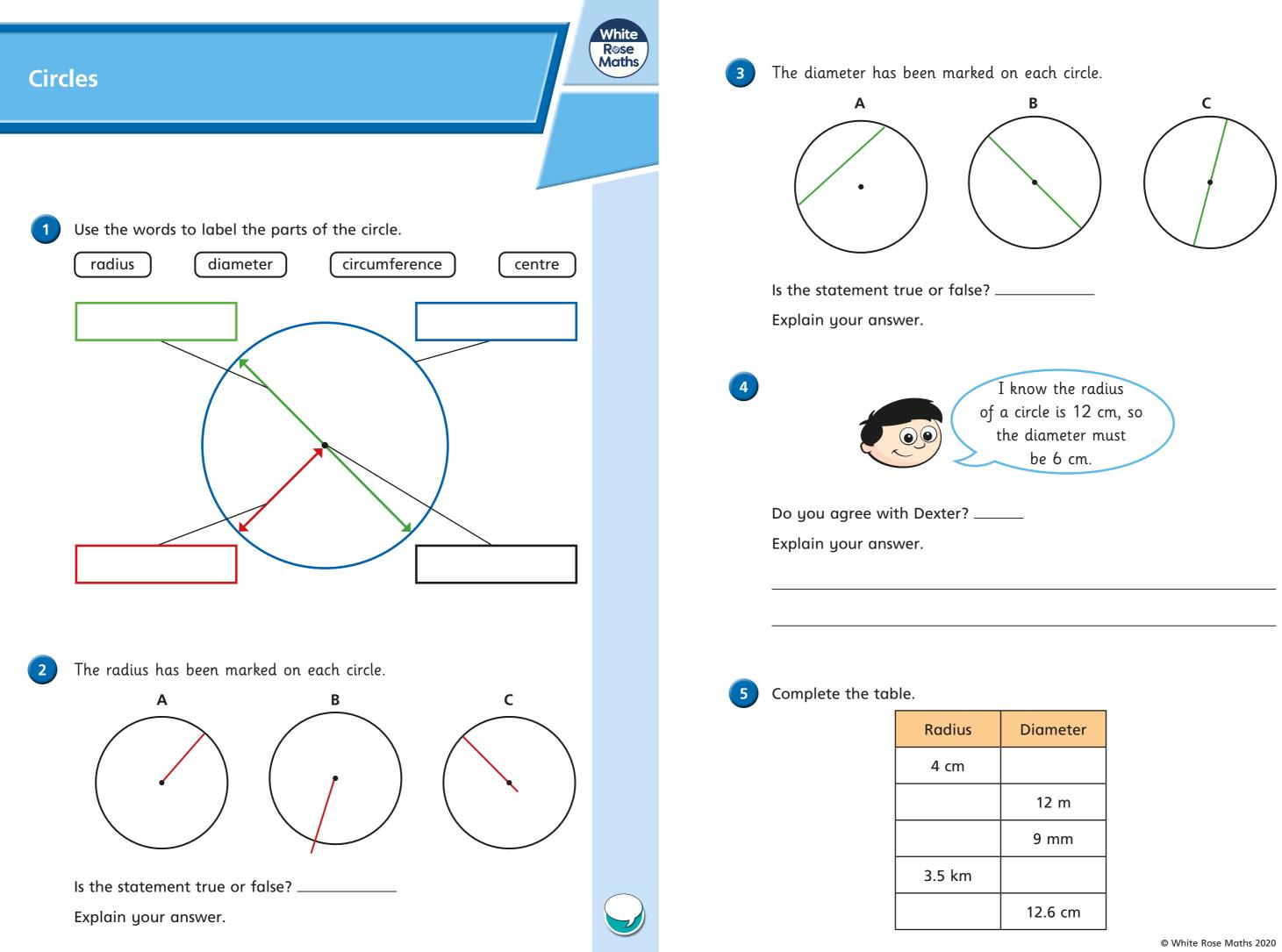


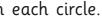








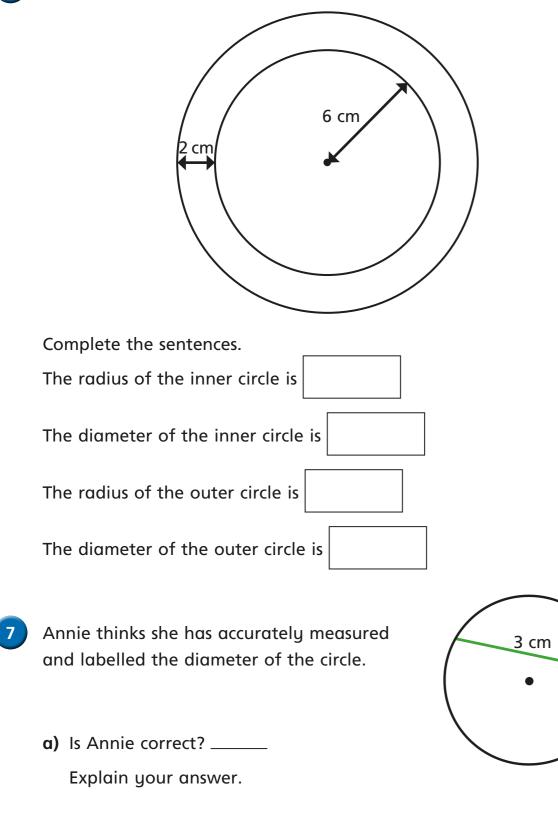








The two circles have the same centre.



8	The did a circle is a than th
	ls Dora correct? Explain your answer.
9	Filip has a large circle with a diame
	He also has several smaller circles w
	He places the small circles along the as shown.
	How many small circles will fit acros

b) Is the diameter greater or less than 3 cm?

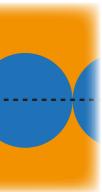
Explain how you know to a partner.

diameter of s always greater the radius.

neter of 20 cm.

with a radius of 2 cm.

he diameter of the larger circle

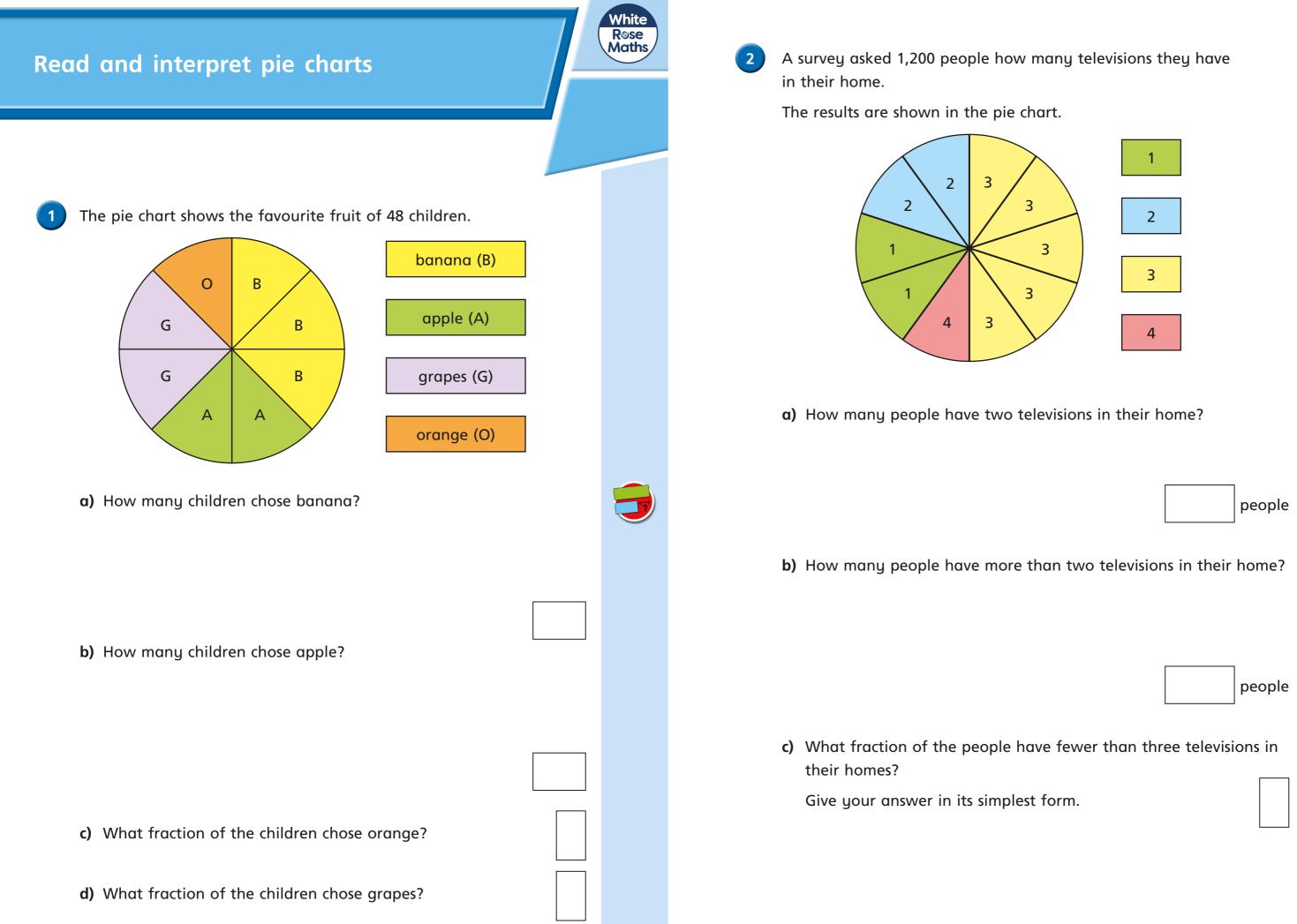


ross the larger circle?



small circles

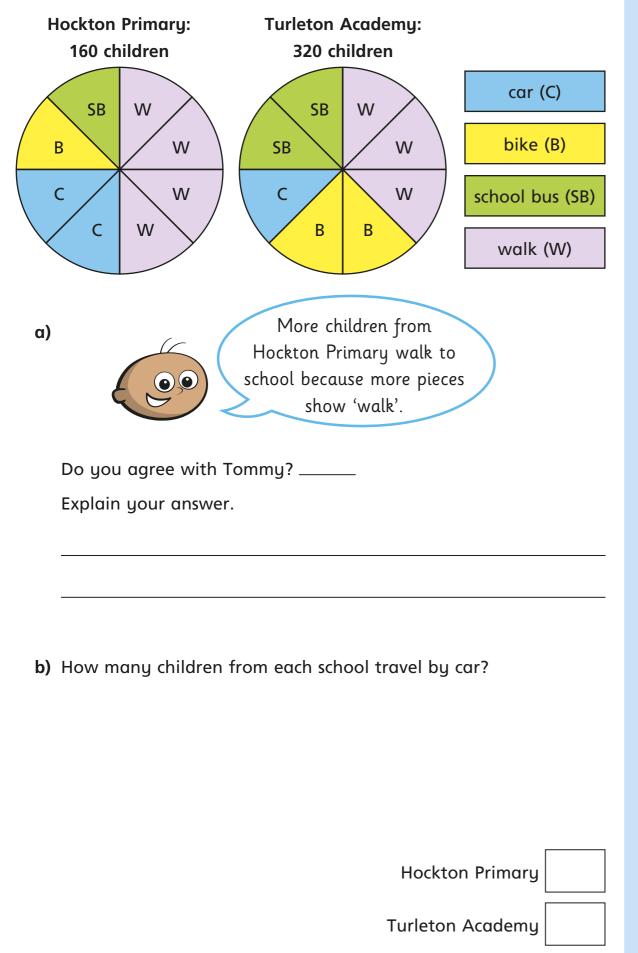




Children from two schools were asked how they travel to school.

The results are shown in the pie charts.

3



The pie chart shows the proportion of counters of each colour. red blue red yellow yellow yellow a) There are 30 red counters in the bag. How many counters are in the bag in total?

the number of yellow counters?

4

c) Complete the sentences.

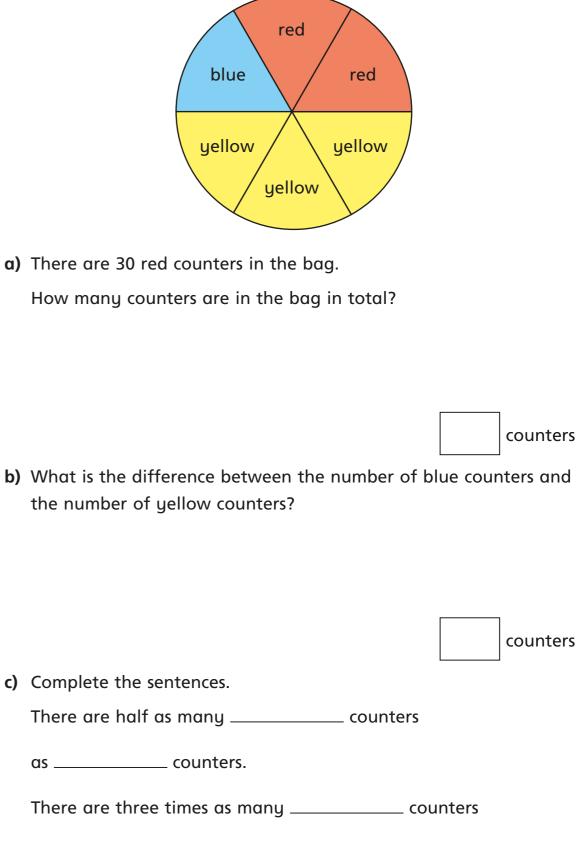
There are half as many _____ counters

as _____ counters.

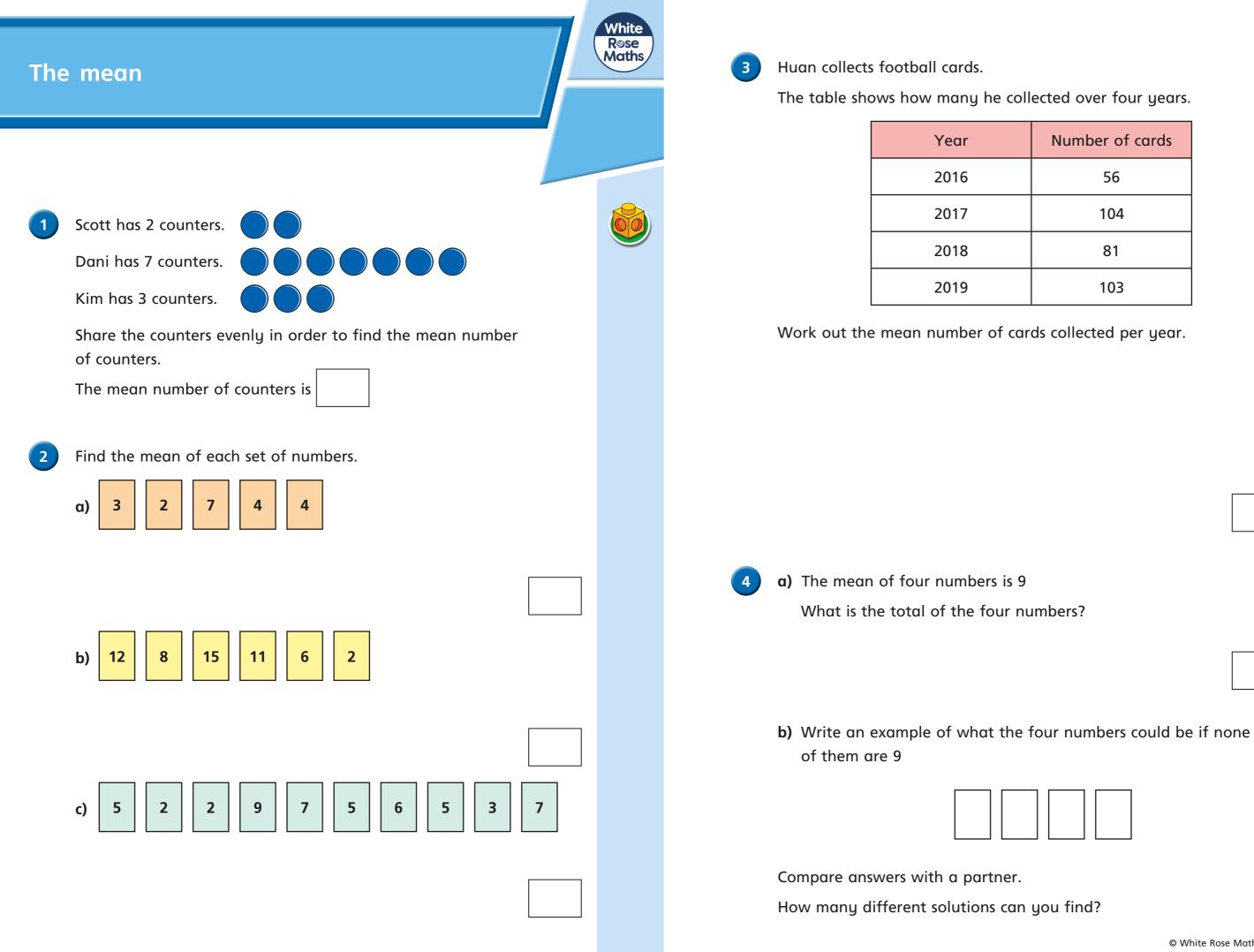
There are three times as many _____ counters

as _____ counters.

A bag contains red, yellow and blue counters.







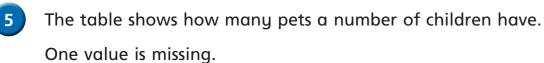
Number of cards
56
104
81
103

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Name	Number of pets						
Brett	4						
Nijah	0						
Rosie	1						
Teddy	2						
Esther							
Tom	7						

The mean number of pets is 3

How many pets does Esther have?



Six numbers are written on cards.

The mean of the numbers is 12

Fill in the two missing numbers if one is double the other.



A basketball team played four games.
The mean number of points was 45
a) How many points did they score in total in the four games?

b) After the fifth game, the mean increased to 50How many points did they score in the fifth game?

8 A group of children have a mean height of 1.4 m. Another child joins the group.

a) What will happen to the mean if the child is 1.5 m tall?

b) What will happen to the mean if the child is 1.4 m tall?

c) What will happen to the mean if the child is 1.3 m tall?







PRIME NUMBER CHALLENGE

Primes: between 1-100								21	67	89	57	9	71	47	53	11
Colour all the boxes containing PRIME numbers with the same colour								37	15	35	31	81	13	77	21	45
								79	63	27	89	39	41	87	15	93
A number will be revealed in your answer							81	61	37	49	91	99	43	97	87	
							83	91	99	29	25	51	27	77	73	
Can you find 2 prime numbers that TOTAL															//	
The number you have revealed? How many solutions can you find? How do you know?							41	87	33	83	21	75	39	91	17	
							67	57	27	23	35	53	51	33	61	
							49	79	59	57	91	9	19	31	49	
111	111 199 123 129 147 193 143 Primes: between 100-200											0				
181	125	131	183	173	196	197	rimes. Detween 100-200									0
101	125	121	102	1/5	190	197	Cole	our a	all th	e bo	xes	cont	ainir	ng a l	PRIN	1E
109	189	129	177	139	141	157	A number will be revealed in your answer Can you find 2 prime numbers that TOTAL The number you have revealed? How many solutions can you find?									
149	163	199	143	103	195	197										
191	115	151	187	127	159	107										
181	175	137	183	191	187	179										
117	113	189	165	161	193	155										

Remember: PRIME NUMBERS have only 2 factors (1 and themselves).