THE MEAN

CONTENT DOMAIN REFERENCES: S3

KS2 SATS PRACTICE QUESTIONS BY TOPIC

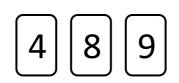
Here are three numbers.

Here are three numbers.

[Extra]

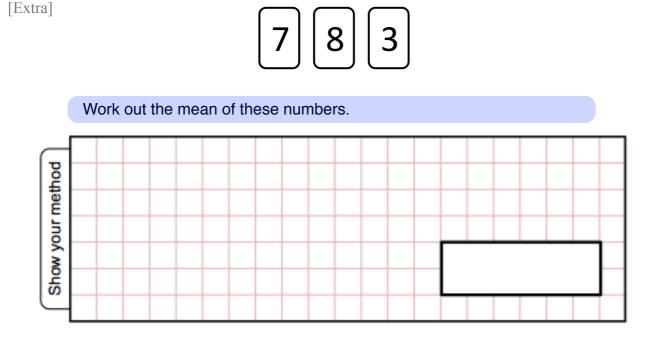
2

1



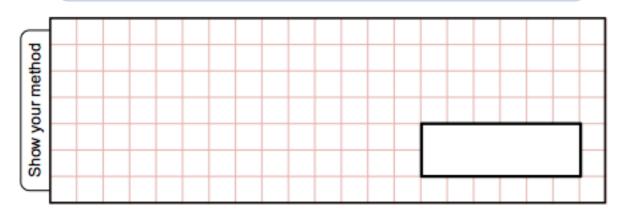
Show that the mean of these numbers is 7

[2 marks]



Children	Height (cm)
Stefan	144
Lara	136
Olivia	142
Chen	143
Maria	152
Dev	148
Sarah	150

What is the mean height of the children?

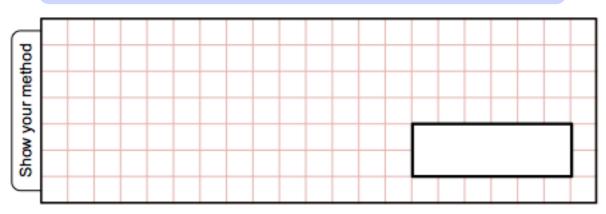


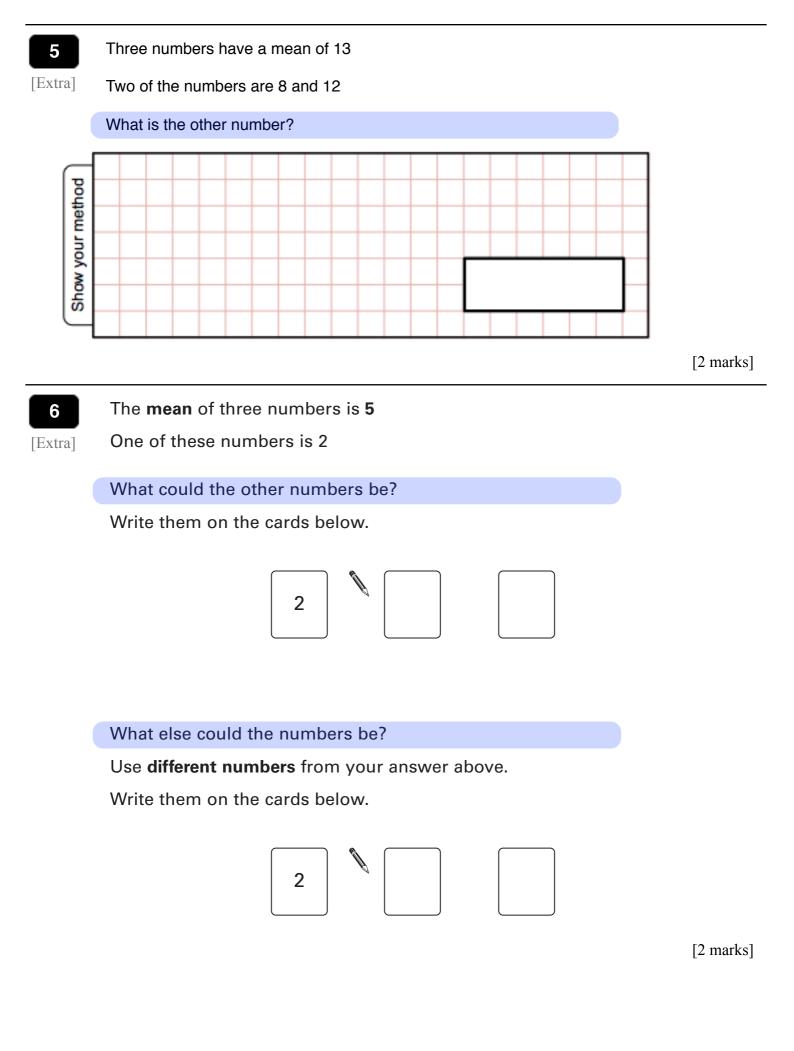
4

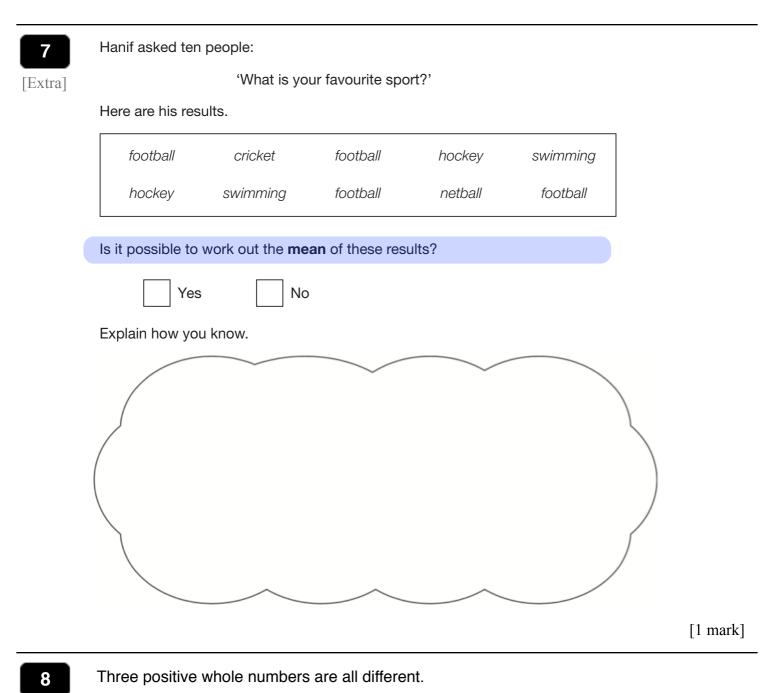
Two numbers have a mean of 12

[Extra] One of the numbers is 9

What is the other number?



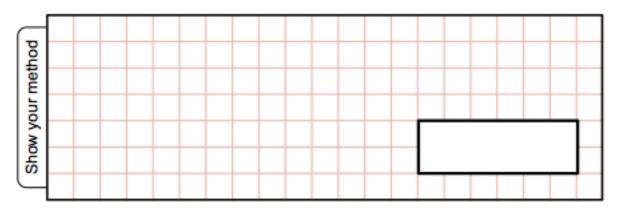


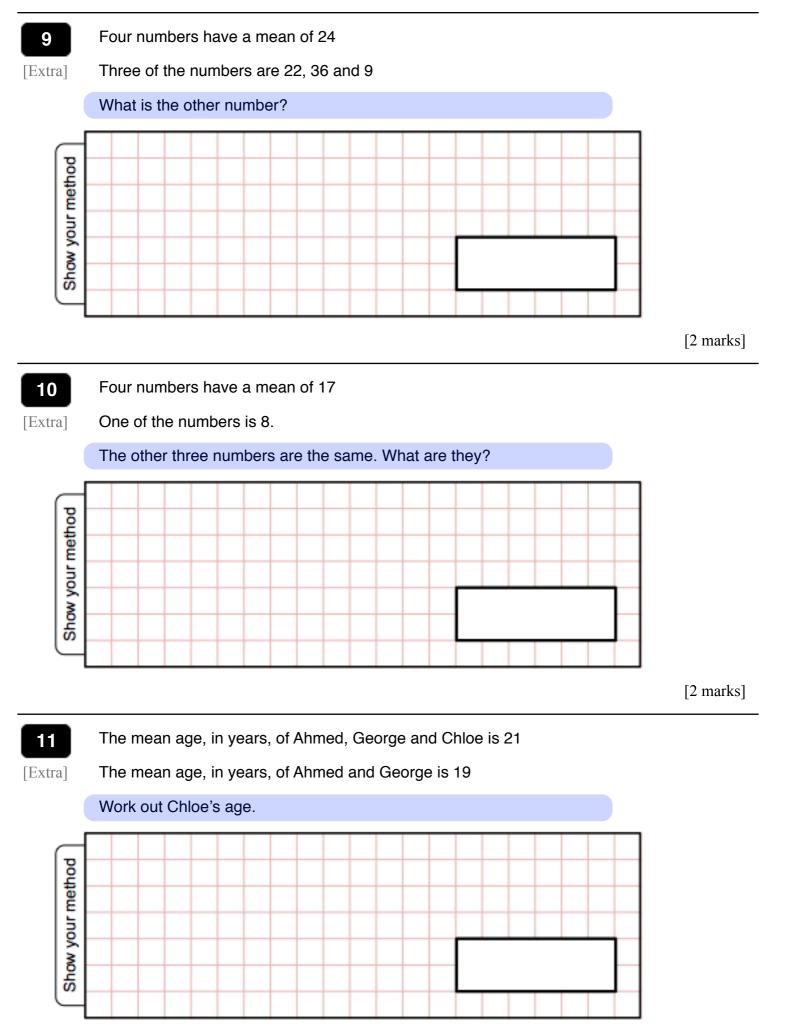


[Extra] The mean of the numbers is 4

One of the numbers is 5

Find the other two numbers.





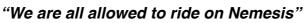
A person must be 1.40 metres, or taller, to ride on Nemesis in Alton Towers.

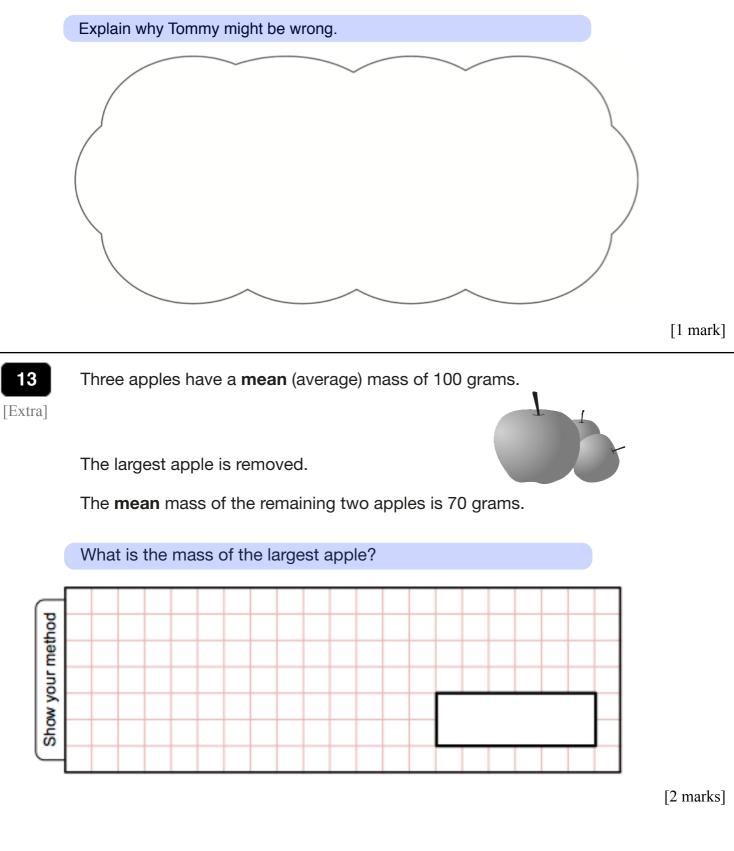
[Extra]

12

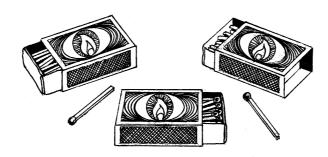
The mean (average) height of Tommy and his friends is 1.50 metres.

Tommy says







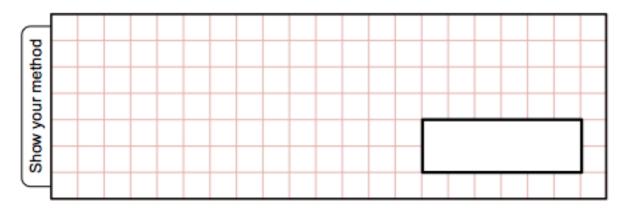


Carol counts the matches in **10** boxes.

She works out that the **mean** number of matches in a box is **51** Here are her results for **9 boxes**.

Number of matches in a box						
48	49	50	51	52	53	54
	\checkmark	\checkmark	\checkmark	\checkmark		✓
	\checkmark	✓				✓
	\checkmark					

Calculate how many matches are in the **10th box**.

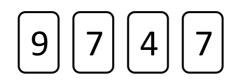


^{[2} marks]

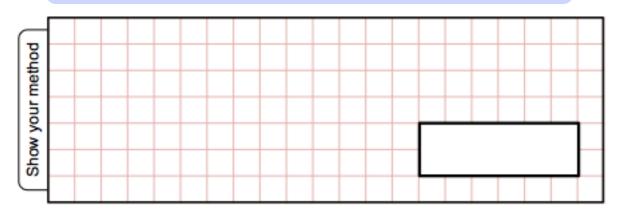
Five numbers have a mean of 6

15 [Extra]

Four of the numbers are shown:

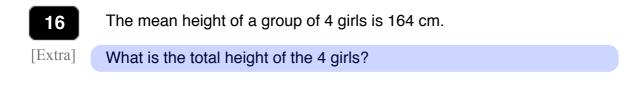


Work out the value of the missing number.

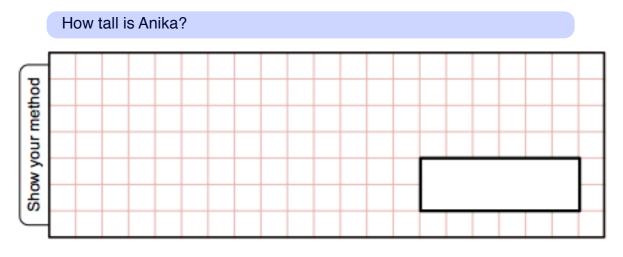


[2 marks]

cm



Anika joins the group and the mean height of the 5 girls is 166 cm.



[3 marks]

Megan goes on a walking holiday for five days.

[Extra]

17

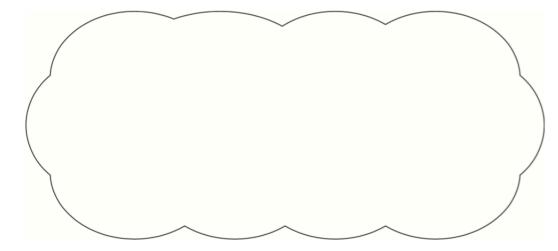
1] The table shows how far she walked on the first four days.

Monday	Tuesday	Wednesday	Thursday
14km	23km	13km	13km

Megan says,

'My average for the first four days is more than 15km.'

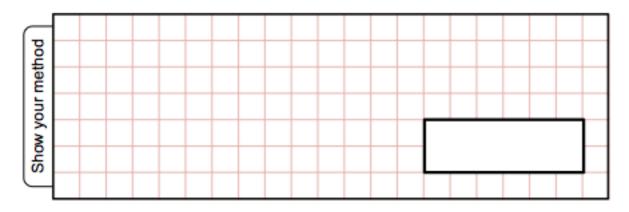
Explain why Megan is **correct**.



Friday is her last day.

She wants to increase her average to 17km

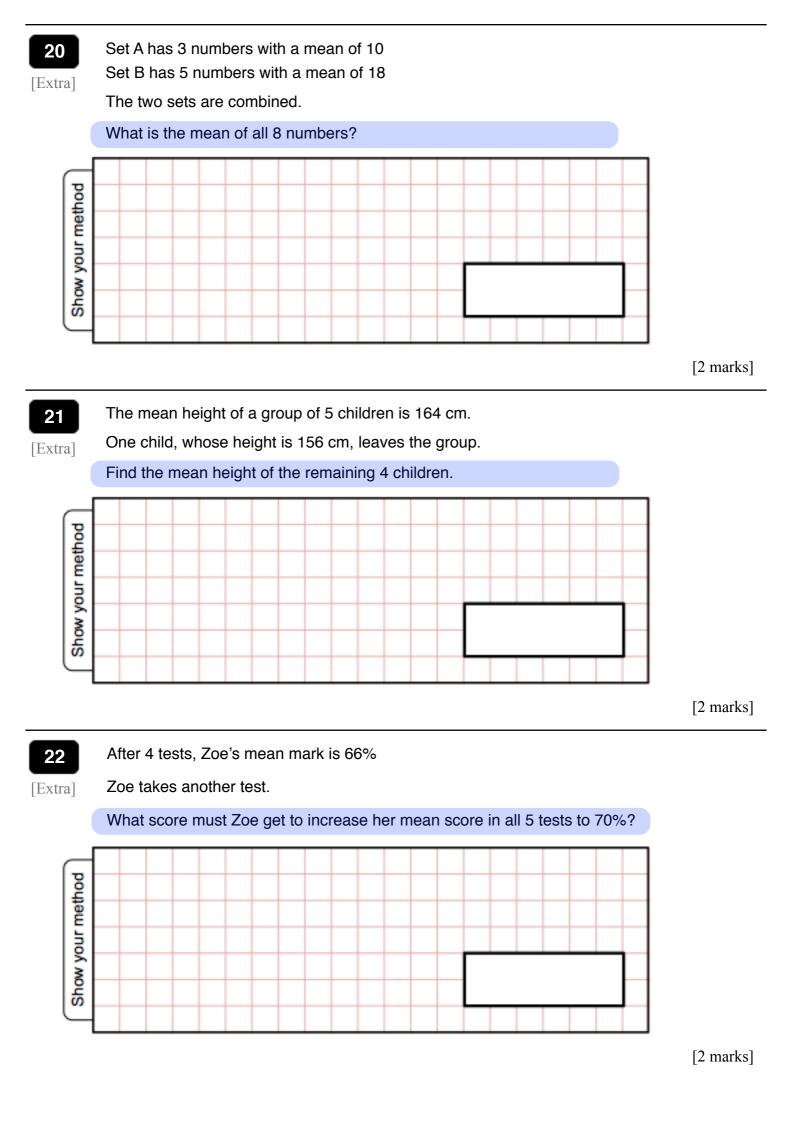
How many kilometres must she walk on Friday?



[3 marks]

18 [Extra				
	Choose three numbers which have a mean of 4			
	, and Choose four numbers which have a mean of 4			
	,, and Choose five numbers which have a mean of 4			
	,,, and	[3 marks]		
19 [2002]	A, B and C stand for three different numbers. The mean of A and B is 40 The mean of B and C is 35			
	A + B + C = 100			
	Calculate the values of A , B and C .			
	Show your method			





23 Altogether, I have **10** bags of sweets.

[Extra] The mean number of sweets in the bags is **41**

The table shows how many sweets there are in **9** of the bags.

Number of sweets in a bag	Frequency
39	3
40	2
41	1
42	1
43	0
44	2

Calculate how many sweets there are in the 10th bag.

