Understand and use the and mode	e mean, median	White Rose Maths	2	Find the mean of each set of data. a) 2, 5, 8, 4, 11
1 Here are five towers of cubes.				b) 0, 3, 9, 2, 2, 11, 15, 32, 7
				c) 2, 8, 5, 12, 4
 a) What is the most common number of cubes used in a tower? Which average is this? Circle your answer. 				
mode	median mean			
b) The towers are in ascending order of height.			3	Find the median of each set of data.
How many cubes are in the			α) 2, 4, 5, 8, 11	
Which average is this? Circle your answer.				
mode	median mean			
c) The cubes are redistributed so that the five towers are now all the same height.				b) 2, 5, 8, 4, 11
How many cubes are in eac	ch tower now?			
Which average is this? Circle your answer.				c) 0, 11, 3, 5, 2, 19
mode	median mean			
d) Complete the sentences.				d) 44, 40, 41, 49
The median number of cubes used is				
The modal number of cube	es used is			e) 17, 9, 35, 3, 0, 42
The mean number of cubes	s used is			



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Find the mode of each set of data.

a) 3, 5, 1, 3, 2, 9, 3

b) 17, 11, 9, 9, 17, 6, 9

c) 26.3, 14.1, 15.8, 14.1, 26.3, 19.7, 20.6

d) 0, 1, 2, 3, 4, 5, 6, 7

e) red, blue, red, orange, yellow, green, yellow, blue, red, red, white

5

The mean of this set of data is 13 0 4 7 11 21 35 Dora is working out the mean of a different set of data. 1 5 8 12 22 36 I don't need to do any calculations. I know that the mean is 14

Show that Dora is correct.

6	Six numbers have a mode of 19, a me
-	a) Fill in the cards to show what the
	b) What is the range of your set of n
	Compare your range with a partne
7	The mean of this set of data is 10.5
	<i>z</i> + 1 0 21 13
	a) Work out the value of <i>z</i> .
	b) Work out the median, mode and r
	median mode
	c) A ninth card is added.
	The mean is now 12
	What is the value of the ninth card
8	Write an expression for the mean of t
	$3x \qquad 5x \qquad 7x$



