Mean, mode, frequency and range

Match the definition with the term.

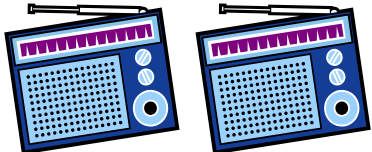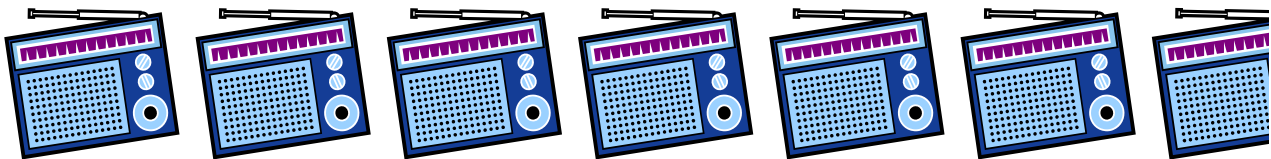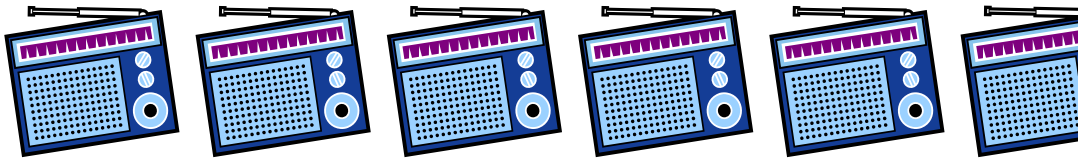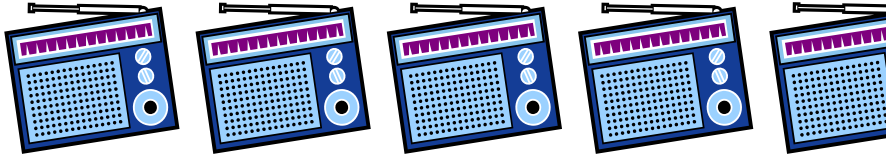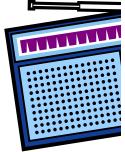|	
mean / average	The difference between the smallest and largest value in the data.
median	The number of times a value appears in a range of data.
mode	The most common value in a range of data.
frequency	The value everyone would get if everything was shared out equally.
range	The middle value of a range of data.

Mean, mode, frequency and range

This pictogram shows the length of songs on the radio, in minutes and seconds.

Can you calculate how many songs were played between these times?

What is the mode, the mean, the frequency and the range from this pictogram?

Key

1 [radio] = 2 songs

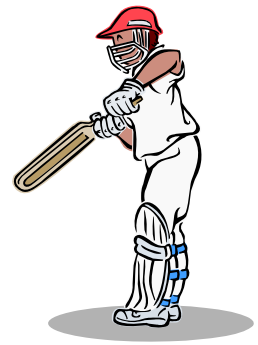| Length of song		
4:00 – 4:59	[2 radios]	
3:00 – 3:59	[6½ radios]	
2:00 – 2:59	[5½ radios]	
1:00 – 1:59	[4½ radios]	
0:00 – 0:59	[½ radio]	

Mean, mode, frequency and range

In a cricket club some children recorded how many runs they each got. These are their individual batting scores:

0	12	0	14	4	23
4	6	4	12	20	

Can you work out:

1. How many children played?
2. What the mode was?
3. What the median number of runs was?
4. What the mean (average) was?

In a Year 4 class some children recorded how many stickers they received at the end of the week.

1	5	4	5	2
2	4	2	2	3

Can you work out:

1. How many children were asked?
2. What the mode number of stickers was?
3. What the median number of stickers was?
4. What the mean number of stickers received that week was?