Term 2

By the end of this term, you should be able to complete this skills test

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Find the mean, mode, median and range (round to 1dp):

Q1) $18, 17, 12, 20, 17, 17$

Find x when given the mean (round to 1dp):

Q2) Mean $= 12.8$

$$10, 2, x, 15, 19$$

Q3) Two classes work out their height. The first class has 23 pupils and a mean of $120cm$, the second class has 26 pupils and a mean of $115cm$. What is the mean of all 49 pupils (1 dp)?
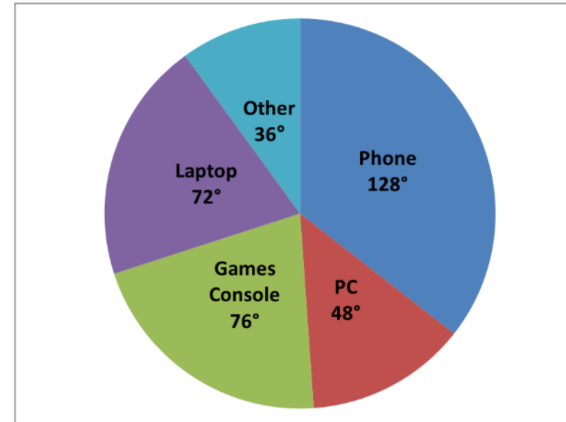

Q1) Plot a bar chart using the data below:

Favourite Colour	Frequency
Red	3
Blue	7
Green	5
Yellow	8

Indian	13
Mexican	15
Chinese	14
Thai	14
European	16

Draw a pie chart

The pie chart shows results of a survey of **90 people**. How many people chose **Games Console**?

Pie chart: Other 36°, Phone 128°, Laptop 72°, Games Console 76°, PC 48°

Key: 1|4 means 14 passengers

0	7 9
1	4 5 6 8 8
2	1 3
3	0

Using the diagram work out
a. The mode
b. The range
c. The maedian

Humanities and Sciences studied by students where each must chose 1 science and 1 humanities option

	Biology	Chemistry	Physics	TOTAL
History	7	17	14	
Geography	2		3	
Ethics		4	3	8
	10	40		70

How many students studied both chemistry and geography?

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240 acts took part in a talent show.

20% of the acts danced and the rest sang.
30 acts made it through to the final.
21 of the acts in the final sang.

Show this information on a frequency tree.

Frequency tree: 240 → Danced → Final / Eliminated; Sang → Final / Eliminated