Oasis Academy Brislington

Unit 9 – presenting data

No.	Question	Answer	Example
9.1	What three things must a pictogram include?	• A heading column • A sensible picture • A key	
9.2	What four things must a bar chart have?	• A y-axis representing frequency • A x-axis representing the groups • The bars must be the same width • The axis must go up in equal increments	
9.3	What must grouped frequency tables include?	• A heading column • A frequency column • Sometimes a tally column	
9.4	How many degrees in a pie chart?	360°	
9.5	How do you calculate each angle in a pie chart?	Divide by the total frequency and multiply by 360	

Unit 9 – interpreting data

No.	Question	Answer	Example
9.6	How do you calculate the mean?	Add up all the data sets Divide by how many pieces of data there are	6, 3, 4, 7 $$\frac{6 + 3 + 4 + 7}{4} = 5$$
9.7	How do you calculate the median?	Put all the data in ascending order and find the middle value.	7, 2, 4, 8, 3, 9, 1 1, 2, 3, **4**, 7, 8, 9 4 is the median as it is in the middle
9.8	How do you calculate the mode?	Find the value that occurs the most	7, 2, 4, 8, 3, 9, 1, 9, 9 9 is the mode as it appears the most
9.9	How do you calculate the range?	Subtract the smallest value from the largest	7, 2, 4, 8, 3, 9, 1, 9, 9 9 – 1 = 8 therefore 8 is the range

Unit 10- Bivariate data

No.	Question	Answer
10.1	What does positive correlation mean?	As one variable <u>increases</u> the other variable <u>increases</u>, this looks like:
10.2	What does negative correlation mean?	As one variable <u>increases</u> the other variable <u>decreases</u>, this looks like:
10.3	What does no correlation mean?	There is <u>no relationship</u> between the two variables, this looks like:
10.4	What is a line of best fit?	A straight line drawn with a ruler that goes through the data with roughly the same number of points on each side of the line
10.5	What does interpolation mean?	Estimating a value within a given data set
10.6	What does extrapolation mean?	Estimating a value outside the give date set by assuming a trend

Date (week commencing)	Numbers to learn
28ᵗʰ Feb	**9.1 to 10.1**
7ᵗʰ Mar	**9.1 to 10.6**
14ᵗʰ Mar	**9.1 to 10.6**
21st Mar	**9.1 to 10.6 and 7.1 to 8.3**
28ᵗʰ Mar	**9.1 to 10.6 and 7.1 to 8.3**
4th Apr	**9.1 to 10.6 and 7.1 to 8.3**