

- (1) The following table shows the grade 10-class marks (in percentage) for a Tourism test:

67	77	64	45	81	67	66
54	81	96	78	58	54	88
34	54	66	81	63	56	
92	48	87	56	74	87	

- Present the data on a histogram. First draw a frequency table.
 - Draw the frequency polygon in on the graph in (a).
 - Determine the range of the data.
 - Calculate the class average. [Round off to the nearest integer.]
 - Determine the mode.
 - If the test originally counted 40 points, determine the arithmetic mean as a mark out of 40.
 - How many learners passed the test if the pass mark was 16 out of 40 ?
 - Determine the percentage of learners who failed the test. [Rounded off to 1 decimal.]
- (2) The following is a summary of the number of distinctions per subject for the grade 9 learners for a June exam. The average number of distinctions per subject for the June exam was 15.
Calculate the value of x .

17	9	11	12	x	15	23	12	25
14	13	x	18	19				

- (3) The table shows the number of crunches and push-ups that the members of a cricket team can do in a minute:

Name	A	B	C	D	E	F	G	H	I	J	K
Crunches	65	34	31	55	36	21	33	42	61	45	38
Push-ups	42	55	47	42	31	44	58	36	25	45	56

- Draw a scatter graph of the above information.
- Describe the correlation of the points on the graph in (a).
- Determine the average number of crunches of the team members. [Correct to 1 dec.]
- Determine the median of the number of push-ups of the team members.