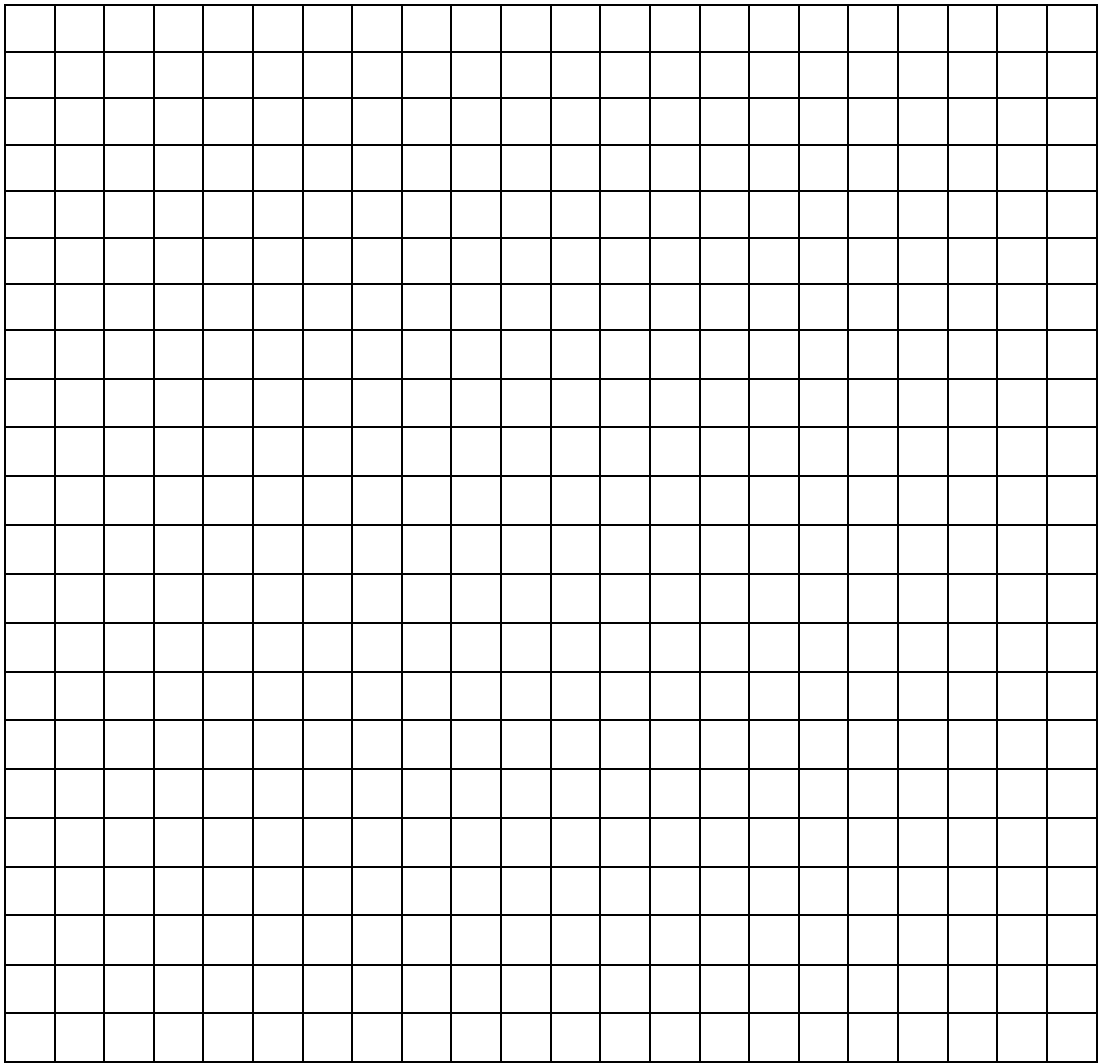


(1) The following table shows the grade 10-class marks (in percentage) for a Tourism test:

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	

(a) Present the data on a histogram. First draw a frequency table.



(b) Draw the frequency polygon in on the graph in (a).

(c) Determine the range of the data.

(d) Calculate the class average. [Round off to the nearest integer.]

(e) Determine the mode.

(f) If the test originally counted 40 points, determine the arithmetic mean as a mark out of 40.

(g) How many learners passed the test if the pass mark was 16 out of 40 ?

(h) 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.

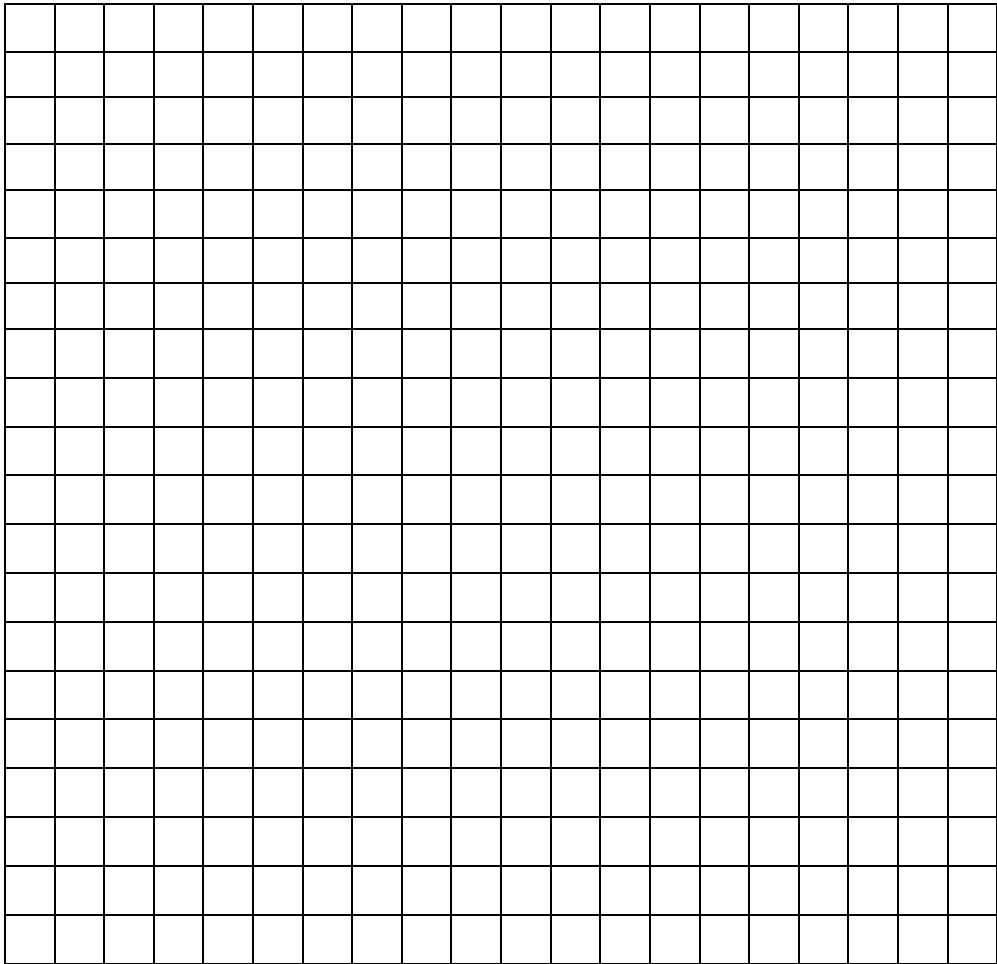
Calculate the value of x .

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

(a) Draw a scatter graph of the above information.



(b) Describe the correlation of the points on the graph in (a).

(c) Determine the average number of crunches of the team members. [Correct to 1 dec.]

(d) Determine the median of the number of push-ups of the team members.

