

Knox Academy

Mathematics Department



4 Question Challenge on...

Frequency Tables

Q1 Mollie recorded the number of text messages received on each of 18 days.

Here are her results.

7 9 9 8 9 9 10 6 9 9 7 10 9 8 8 6 7 6

Complete the frequency table to show Mollie's results.

Number of texts	Tally	Frequency
6		
7		
8		
9		
10		

Q2 A class of 20 students complete a test.

The test is marked out of 50

The scores are recorded below.

34 10 19 41 22 18 28 24 50 48
38 14 23 30 38 27 21 43 25 39

Complete the score, tally and frequency columns in the chart below.

Score	Tally	Frequency
1 - 10		
11 - 20		
21 -		

Q3 Fill in the speeds of 50 cars in the frequency table below.

31	53	66	21	43	57	87	22	29	54
47	32	40	55	25	38	16	71	64	61
52	9	27	29	51	92	49	37	50	29
62	38	17	22	75	88	67	43	81	44
13	7	30	46	19	28	84	70	41	56

Speed (mph)	Tally	Frequency
1-10		
11-20		
21-30		
31-40		
41-50		
51-60		
61-70		
71-80		
81-90		
91-100		

Q4 Why have we used groups for the frequency tables in Q2 and Q3?