

GROUPING DATA

Name:

Assessment Criteria: Group data, where appropriate, in equal class intervals

1. The weights of 20 boys (in kg) are recorded as follows:

16.2	35.5	41.7	18.9	42.1
19.7	20.9	24.8	48.0	37.1
25.5	27.9	26.6	31.0	21.2
19.9	20.1	34.1	38.7	35.0

a) Complete the following frequency table:

Weight (w) in kg	Tally	Frequency
$15 \leq w < 20$		
$20 \leq w < 25$		
$25 \leq w < 30$		
$30 \leq w < 35$		
$35 \leq w < 40$		
$40 \leq w < 45$		
Total		

b) What is the width of each class interval? _____

c) Another boy comes to the class and is weighed at exactly 40.0 kg. In which group should his weight be placed? _____

2. The ages (in years) of the 48 people living in a small hamlet are recorded below:

1	5	36	31	88	45	44	10
12	15	48	40	77	82	61	61
3	23	47	20	21	75	80	67
5	7	30	31	40	60	92	77
55	47	18	63	65	58	59	42
2	3	6	24	26	48	62	60

a) What would a sensible class width be for grouping this information? _____

b) The data is repeated on the next page. Create your own frequency table for the data.

1	5	36	31	88	45	44	10
12	15	48	40	77	82	61	61
3	23	47	20	21	75	80	67
5	7	30	31	40	60	92	77
55	47	18	63	65	58	59	42
2	3	6	24	26	48	62	60

Overall, I think my success level is:

Low High

Q	GROUPING DATA	☺	☹
	I can use a tally chart to place data into groups and find the frequency		
	I can identify the width of the class interval		
	I can choose a suitable class interval to create a frequency table		
	<i>I can present information and results in a clear and organised way</i>		

I need to practise ...