

Foundation - Handling data

1. In your own words describe the following, giving an example for each

(a) Discrete data

Example

(b) Continuous data

Example

(c) Qualitative data

Example

(d) Quantitative data

Example

2. Karen has 5 boxes of matches. She counts the number in each box. Here are the numbers

28, 30, 31, 28, 27

(a) Work out the mean number of matches per box

.....

(b) Work out the range of the numbers

.....

3. The table shows the information about a group of children

	Can swim	Cannot swim
Boys	16	4
Girls	19	6

(a) How many boys can swim?

.....

(b) What fraction of those who cannot swim are girls?

.....

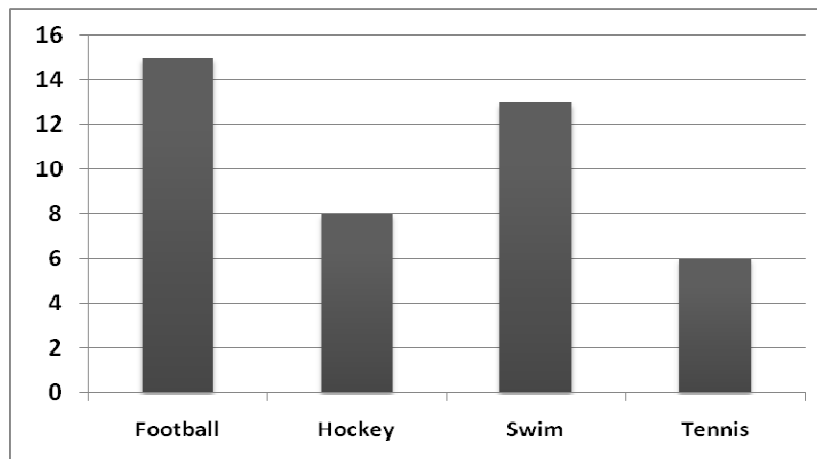
(c) What is the probability that a student chosen at random will be a girl who cannot swim?

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4. In a competition, 4 judges awarded a competitor a mean average score of 8. What was the total of all the judges scores?

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5. A group of students were asked which sport they did most. The bar charts shows the results.



(a) How many students swim?

(b) How many students were asked?

(c) Which sport is the mode?

6. In the space below, complete the frequency table for the following maths test results obtained by 28 students.

51 53 54 85 71 49 64 63 62 39 77
62 66 53 51 66 28 47 82 47 76 64
66 56 48 54 63 72

Class interval	Tally	Frequency
40 - 49		
50 - 59		

7. The table shows the number of hours people has to wait at an airport for their flights

Time	Frequency
0 - 1	9
1 - 2	34
2 - 3	47
3 - 4	26
4 - 5	5

In the space below, draw a **grouped** frequency diagram (bar chart with no gaps) to show this data.

Number of people

