

- 1 Salma is a quality control inspector. She randomly selects 40 packets of biscuits at a large factory. She opens each packet and counts the number of broken biscuits it contains. Her results are as follows:

0 0 2 1 3 0 0 2 3 1
 1 1 2 3 0 1 2 3 4 2
 0 0 0 0 1 0 0 1 2 3
 3 2 2 2 1 0 1 2 1 2

- a Is this primary or secondary data to Salma? Why?
 b Is the data discrete or continuous? Give a reason why.
 c Copy and complete this frequency table to organise the data.

No. of broken biscuits	Tally	Frequency
0		
1		
2		
3		
4		

- d What type of graph should Salma draw to display this data? Why?

- 2 The number of aircraft movements in and out of five main London airports during April 2017 is summarised in the table.

Airport	Gatwick	Heathrow	London City	Luton	Stansted
Total flights	23 696	39 660	6 380	10 697	15 397

- a Which airport handled most aircraft movement?
 b How many aircraft moved in and out of Stansted Airport?
 c Round each figure to the nearest thousand.
 d Use the rounded figures to draw a pictogram to show this data.

- 3 This table shows the percentage of people who own a laptop and a mobile phone in four different districts in a large city.

District	Own a laptop	Own a mobile phone
A	45	83
B	32	72
C	61	85
D	22	68

- a What kind of table is this?
 b If there are 6000 people in District A, how many of them own a mobile phone?
 c One district is home to a University of Technology and several computer software manufacturers. Which district do you think this is? Why?
 d Draw a compound bar chart to display this data.

- 4 This table shows how a sample of people in Hong Kong travel to work.

Mode of transport	Percentage
Metro	36
Bus	31
Motor vehicle	19
Cycle	14