Two-way tables

1 A film is shown twice a day at 3 pm and 7 pm.

The table shows the number of children and adults that see each show in one day.

	Adults	Children
3 pm showing	28	65
7 pm showing	58	12

a) How many children watched the 7 pm showing?   12

b) How many adults watched the film that day?

86

c) There are 100 seats in the cinema.

How many seats were empty at the 3pm showing?

7

d) Did more children or more adults watch the film?

Show your workings.

_____Adults_____

e) Why do you think fewer children watched the 7pm showing?

2 The table shows information about the eye colour of 100 people.

	Brown	Blue	Green	Total
Boys	12	25	33	70
Girls	17	5	8	30
Total	29	30	41	100

a) Complete the table.

b) How many boys have green eyes?   33

c) How many girls have blue eyes?   5

d) How many more girls have brown eyes than blue eyes?   12

3 The table below shows the distance in miles between some cities.

London				
3,459	New York			
5,938	6,736	Tokyo		
6,011	7,803	9,152	Cape Town	
10,553	9,929	7,819	6,845	Sydney

a) What is the distance between Sydney and Tokyo?   7,819

b) Which two cities are the furthest apart?

____London____ and ____Sydney____

c) Choose a city to start in and then two more different places to visit.

How far would you have to travel?

Various answers e.g.

London → New York → Tokyo   10,195 miles

4 Teams are awarded points for each event at a swimming gala.

Some of the scores have accidentally been washed off!

	Breaststroke	Backstroke	Butterfly	Freestyle	Total
Yellow	405	960	210	395	1,970
Red	650	420	210	650	1,930
Green	210	500	400	370	1,480
Blue	345	210	610	510	1,675
Total	1,610	2,090	1,430	1,925	7,055

Work out the missing scores and complete the table.

Write 3 questions for your partner to answer about the information on the table.

Various answers.

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_____

5 The table shows information about some of the world's tallest buildings.

Building	Country	Height (m)	Number of floors	Year completed
Burj Khalifa	UAE	828	163	2010
Shanghai Tower	China	632	128	2015
Abraj Al-Bait Clock Tower	Saudi Arabia	601	120	2012
Ping An Finance Centre	China	599	115	2017
Goldin Finance 117	China	597	128	2019

a) How tall is the tallest building? **828 m**

b) Which building is 601 m tall? **Abraj Al-Bait Clock Tower**

c) Which two buildings have the same number of floors?

Shanghai Tower & Goldin Finance 117

d) Which building was completed most recently? **Goldin Finance 117**

e) How much taller is the Burj Khalifa than the Goldin Finance 117 building?

231 m

f) Three-fifths of the buildings are in China.

Is this statement correct? **Yes**

Explain how you know.

Three out of the 5 buildings are in China.

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