

Name \_\_\_\_\_ Date \_\_\_\_\_ Period \_\_\_\_\_

- 1) Boys and girls were asked what their eye color was, the results are shown in the two-way table.

	Blue eyes	Brown eyes	Total
Boys	7	12	
Girls	9	10	
Total			

- a) Complete the two-way table.
- b) How many boys had blue eyes? \_\_\_\_\_
- c) How many girls had brown eyes? \_\_\_\_\_
- d) How many people had brown eyes? \_\_\_\_\_

- 2) Students were asked what their favorite subject was, the results are shown below.

	History	Art	Math	P.E	Total
Boys	4	2	6	14	
Girls	12	6	3	6	
Total					

- a) Complete the two-way table.
- b) How many people were asked altogether?
- c) How many people enjoyed P.E the best?
- d) How many girls liked art?

- 3) 56 students were asked about their eye color and what their favorite hobby was, but the results have only been half completed. They can be found below.

	Watching TV	Playing sports	Socializing	Total
Brown	9	4		20
Blue	16		8	
Green	1		2	5
Total		13	17	

- Complete the two-way table. \_\_\_\_\_
  - How many people with blue eyes liked to play sport? \_\_\_\_\_
  - How many people with brown eyes were there altogether? \_\_\_\_\_
  - How many people enjoyed watching TV? \_\_\_\_\_
  - How many people playing sports had green eyes? \_\_\_\_\_
- 4) The number of medals were counted for three different countries.

	Gold	Silver	Bronze	Total
USA	31		18	72
China			13	60
UK		33	17	
Total	83			200

- Complete the two-way table.
- How many bronze medals were won altogether?
- How many medals did the UK and China win altogether?
- How many silver and bronze medals did the USA win?
- What is the number of gold and silver medals that the UK won?

Two way tables are a way of clearly organizing information when there are two variables.

1. Students were asked whether they had school dinners or packed lunches. Their results are shown in the table.

- How many boys have a school dinner?
- How many girls have a packed lunch?
- How many students stayed for a school dinner?
- How many boys were there?
- How many students were there altogether?
- What fraction of the students had a packed lunch?

	Boys	Girls
School dinner	24	16
Packed lunch	12	32

2. The two-way table shows information about gender and wearing glasses.

- How many people wear glasses?
- How many girls were in the survey?
- What fraction of the girls wear glasses?
- What fraction of the students do not wear glasses?

	Boys	Girls
Glasses	24	16
No glasses	12	32

3. In a survey, 64 adults are asked if they are left-handed or right-handed.

- How many men are in the survey?
- How many of the 64 adults are right-handed?
- What fraction of those asked were right-handed men?
- What fraction of the women are left-handed?

	Men	Women
Left-handed	8	17
Right-handed	15	24

4. Answer the following regarding the gender of a class' family pets.

- What fraction are cats?
- Of the boys, what fraction have dogs?
- Of cats, what fraction belong to boys?
- What fraction of the owners are girls?

	Cat	Dog
Boy	3	7
Girl	9	5

5. The two-way table shows information about gender and wearing glasses.

- Complete the two-way table.
- How many girls were in the survey?
- What fraction of the girls wear glasses?
- What fraction of the children do not wear glasses?

	Boys	Girls	Total
Glasses	24		50
No glasses		32	
Total	40		

6. The two-way table shows the information about the use of a leisure centre.

- Complete the two-way table.
- How many girls are there?
- What fraction of the people are male?
- What fraction of the adults are female?

	Adults	Children	Total
Male		28	
Female	19		
Total	40		100

7. Some teachers are asked to choose their favourite snack out of chocolate and sweets. Some of the results are shown in this table.

- A total of 50 male teachers are asked and 30 teachers choose sweets. Complete the table.
- How many female teachers are asked?
- How many teachers are asked together?

	Chocolate	Sweets
Male	24	
Female	16	

8. The table shows the different animals on a farm. The farmer has:

- 130 sheep in total
- 340 male animals
- 600 animals in total

Complete the table.

	Sheep	Cattle	Pig	
Male	80		90	
Female		70		