Two-Way Tables

1 64 visitors at a farm open day chose a tractor ride or a pony ride.

(a) How many children chose the pony ride?

(b) How many visitors chose the tractor ride?

	Tractor ride	Pony ride	Total
Adults	18	9	27
Children	15	22	37
Total	33	31	64

(a) _____ (b) _____

2 A youth club has 48 members.
Each one plays football or netball.
Complete the two-way table.

	Football	Netball	Total
Boys	17		23
Girls		16	
Total	26		48

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3 A shop sold 80 phone cases.

(a) Complete the two-way table.

(b) How many large patterned cases were sold?

	Plain	Patterned	Total
Large	21		
Small			45
Total	40		80

(b) _____

4 100 students chose their favourite season.

(a) Complete the two-way table.

(b) How many Year 8 students chose winter?

	Spring	Summer	Winter	Total
Year 7	12		11	
Year 8		21		52
Total	27	46		100

(b) _____

5 A sports centre has 60 members.
Each plays squash or badminton.
26 are juniors. 11 juniors play squash.
25 members play squash altogether.

(a) Complete the two-way table.

(b) How many seniors play badminton?

	Squash	Badminton	Total
Juniors			
Seniors			
Total			

(b) _____

6 A music school has 72 pupils.
Each learns piano or guitar.
40 pupils are girls. 18 girls learn guitar.
35 pupils learn guitar altogether.

(a) Complete the two-way table.

(b) How many boys learn piano?

(b) _____

7 120 guests at a wedding chose fish or chicken. 54 guests were men. 30 men chose fish. 71 guests chose chicken altogether.

(a) Draw and complete a two-way table.

(b) How many women chose fish?

(b) _____

8 Ben is completing this table about 90 theatre tickets. He was told 52 tickets altogether were for children, and wrote 52 in the evening child cell. Explain his mistake. How many evening tickets were for children?

	Child	Adult	Total
Matinee	34		50
Evening	52		
Total			90

_____ Answer _____

Two-Way Tables *further practice*

9 A campsite took 85 bookings in July and August. 38 bookings were in July. 23 July bookings were for tents. 41 bookings altogether were for tents.

(a) Draw and complete a two-way table.

(b) How many August bookings were for caravans?

(b) _____

10 150 students chose art or music.

(a) Complete the two-way table.

(b) How many Year 11 students chose art?

	Art	Music	Total
Year 9	28		50
Year 10		27	46
Year 11			54
Total		72	150

(b) _____

11 A coffee van sold 120 hot drinks in one day.

(a) Complete the two-way table.

(b) How many more coffees were sold in the morning than in the afternoon?

	Tea	Coffee	Hot chocolate	Total
Morning	18		8	60
Afternoon		19		
Total	39		28	120

(b) _____

12 A pet show had 64 entries. 29 were cats and the rest were dogs. 17 cats won a rosette. 22 dogs did not win a rosette.

(a) Complete the two-way table.

(b) How many entries won a rosette?

	Rosette	No rosette	Total
Cats			
Dogs			
Total			

(b) _____

13 Nadia filled in this two-way table about 75 visitors to a museum. She has made one mistake. Find it and correct it.

	Audio guide	No guide	Total
Adults	16	29	45
Children	11	19	32
Total	27	48	75

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Answer _____

14 90 students chose their lunch. 40 are boys. 15 boys chose a hot meal and 12 chose a salad. 30 students chose a sandwich altogether. 20 girls chose a salad.

(a) Complete the two-way table.

(b) How many girls chose a hot meal?

	Hot meal	Sandwich	Salad	Total
Boys				
Girls				
Total				

(b) _____

15 A club has 50 members. 22 are juniors. Lena started this two-way table. She says 25 juniors play tennis. Explain why she must be wrong.

	Tennis	Golf	Total
Juniors	25		22
Seniors			
Total			50

Answer _____

16 Omar says this table cannot be finished, because the first row has two gaps. Is he right? Explain.

	Small	Large	Total
Indoor		23	
Outdoor	9		25
Total	21		60

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Answer _____