

Starter

Sort these calculations into two lists: those with answers greater than 50 and those with answers smaller than 50.

Don't work out the calculations – just estimate the answers!

$100 - 63$

23×8

$500 \div 2$

14×3

18×6

$72 \div 9$

$268 - 199$

$\frac{2}{3}$ of 120

$843 - 789$

$\frac{1}{2}$ of 96

Smaller than 50	Greater than 50



Summer week 9 Lesson 4 – 25.06.20

LO: To solve problems using 2-way tables

Success Criteria:

- | |
|--|
| 1. Look at the title and work out what the table is about |
| 2. Read the question and underline key info. |
| 3. To work out totals add the amounts in the rows and columns e.g. Total roasts is $119 + 122 = 241$ |
| 4. To calculate your grand total (row total and column total should equal the same amount) |

Model

This table shows the number of bath bombs produced by 3 people over 3 days.

The table is incomplete.

	Chloe	Jake	Ash	Total
Mon	163	101	89	353
Tues	132	94	83	309
Wed	57	93	68	218
Total	352	288	240	880

Chloe says, "I made 67 bath bombs on Wednesday."

Do you agree with Chloe? Convince me.

Chloe is incorrect because she made 57 bath bombs on Wednesday. $93 + 68 = 161$. $218 - 161 = 57$.
 Or filling in other information; $163 + 132 = 295$. $352 - 295 = 57$.

Y5

Using the information below, complete the two-way table showing the different types of monster cards that three friends have collected.

	Sky	Water	Fire	Total
Sam	84	174	42	300
Ross	57	163	62	282
Lauren	83	172	78	333
Total	224	509	182	915

- Sam has twice as many sky cards as fire cards.
- The friends have 509 water cards between them.
- Lauren has one fewer sky card than Sam.

84 is twice as big as 42

$174 + 163 + 172 = 509$


$84 - 1 = 83$



1a. This table shows the gender and birth year of children at a school.

	2011	2012	Total
Boys	25	A	44
Girls	13	18	31
Total	B	37	75

Create 2 questions about the missing information in the table. Calculate the answers.




5 PS

2a. This table shows the number of boxes packed in a day at a factory. The table is incomplete.

	AM	PM	Total
Kylie	24		42
Bohuslav		22	43
Total	45	40	85

Kylie says, "I think I packed 15 boxes in the afternoon."

Do you agree with Kylie? Convince me.




5 R

3a. Using the information below, complete the two-way table showing whether children in Upper Key Stage 2 ate breakfast or not.

	Yes	No	Total
Y5		12	47
Y6	36		
Total			

- There are 100 children in total
- There is one more Year 6 child that eats breakfast than in Year 5
- 29 children don't eat breakfast



5 PS

Task 1

4a. This table shows which hand children write with.

	Reception	Y1	Y2	Total
Left	A	12	15	41
Right	34	48	43	B
Total	48	60	58	166

Create 2 questions about the missing information in the table. Calculate the answers.



5 PS

5a. This table shows the number of sandwiches made by three kitchen staff. The table is incomplete.

	Cheese	Tuna	Ham	Total
Hillary	62	83		
Zack	67	107	62	236
Yussuf	83		42	137
Total		202	150	564

Yussef says, "I think I made 12 tuna sandwiches."

Do you agree with Yussef? Convince me.



5 R

6a. Using the information below, complete the two-way table showing which age group likes which pizza topping.

	< 21	21-30	> 30	Total
Cheese	73	164	105	
Pepperoni	53		45	
Hawaiian				
Total	160	361		

- 731 people were surveyed in total
- Twice as many people like cheese than pepperoni
- 15 fewer over 30s like pepperoni than hawaiian



Task 2

7a. This table shows size and colour of jumpers made at a factory.

	XS	S	M	L	Total
Black	676	635	2,854	1,075	5,240
White	734	845	A	896	B
Total	1,410	1,480	4,478	1,971	9,339

Create 2 questions about the missing information in the table. Calculate the answers.



5 PS

8a. This table shows the number of phone calls made last week. The table is incomplete.

	Mon	Tue	Wed	Thu	Total
Sally	324	262	362		1,002
Frank			303		1,312
Yussuf	312		351	316	
Total	742	863	1,016	998	3,619

Frank says, "I think I made 628 phone calls on Thursday."

Do you agree with Frank? Convince me.



5 PS

9a. Using the information below, complete the two-way table showing which year group prefers which animal.

	Y8	Y9	Y10	Y11	Total
Dog			415	483	
Cat	413		571	393	
Hamster	189		174		
Total	1,074				4,296

- In Year 9, 315 children prefer cats
- In Year 8 and Year 9, the total number of children who prefer dogs is 998
- 9 more Year 11 students prefer hamsters to those in Year 10



Task 3

120 people were asked where they went on holiday during the summer months of last year.



Use this information to create a two-way table.

In June, 6 people went to France and 18 went to Spain.

In July, 10 people went to France and 19 went to Italy.

In August, 15 people went to Spain.

35 people went to France altogether.

39 people went to Italy altogether.

35 people went away in June.

43 people went on holiday in August.