

Two-Way Tables

Introduction

This table shows the favourite meals for a youth club.

Complete the table.

	Roast Dinner	Pizza	Pasta Bolognese	Total
Male	119	128	96	
Female	122	108	110	
Total				

Introduction

This table shows the favourite meals for a youth club.

Complete the table.

	Roast Dinner	Pizza	Pasta Bolognese	Total
Male	119	128	96	343
Female	122	108	110	340
Total	241	236	206	683

Varied Fluency 1

This table shows the ice creams sold by an ice cream van last week.

	Vanilla	Chocolate	Both	Total
Plain	A	B	C	D
Sprinkles	E	F	G	H
Sprinkles and Flake	I	J	K	L
Total	M	N	O	P

Which letter shows:

- A. How many ice creams were sold with only sprinkles?
- B. The number of plain chocolate ice creams that were sold?

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Sprinkles	E	F	G	H
Sprinkles and Flake	I	J	K	L
Total	M	N	O	P

Which letter shows:

- A. How many ice creams were sold with only sprinkles? **H**
- B. The number of plain chocolate ice creams that were sold? **B**

Varied Fluency 2

This table shows the sales of hot drinks at a school fayre.

	Tea	Coffee	Other	Total
Small	156	262	55	473
Medium	84	174	46	304
Large	73	122	25	220
Total	313	558	126	997

A. How many large coffees were sold?

B. How many more coffees were sold than teas?

Varied Fluency 2

This table shows the sales of hot drinks at a school fayre.

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Small	156	262	55	473
Medium	84	174	46	304
Large	73	122	25	220
Total	313	558	126	997

A. How many large coffees were sold? **122**

B. How many more coffees were sold than teas? **$558 - 313 = 245$**

Varied Fluency 3

This table shows the first letter of the surnames in a primary school.

Complete the table.

	A - L	M - Z	Total
Year 1/2	165	154	
Year 3/4	124	165	289
Year 5/6	157		332
Total	446		940

Varied Fluency 3

This table shows the first letter of the surnames in a primary school.

Complete the table.

	A - L	M - Z	Total
Year 1/2	165	154	319
Year 3/4	124	165	289
Year 5/6	157	175	332
Total	446	494	940

Problem Solving 1

This table shows the favourite subjects of students in a secondary school.

	Maths	English	Science	Total
Male	105	86	304	495
Female	A	155	245	495
Total	200	B	549	990

Write two word problems where the answer would be A or B.
Calculate the correct answer for each.

Problem Solving 1

This table shows the favourite subjects of students in a secondary school.

	Maths	English	Science	Total
Male	105	86	304	495
Female	A - 95	155	245	495
Total	200	B - 241	549	990

Write two word problems where the answer would be A or B.
Calculate the correct answer for each.

Various answers, for example: A = How many female students said that maths was their favourite subject? $200 - 105 = A$ $A = 95$
B = How many fewer students said that English was their favourite subject compared to science? $86 + 155 = B$ $B = 241$

Reasoning 1

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		89	353
Tues		94	83	309
Wed		93	68	218
Total		288		

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

Do you agree with Chloe? Convince me.

Reasoning 1

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

Do you agree with Chloe? Convince me.

Chloe is incorrect because...

Reasoning 1

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; $163 + 132 = 295$. $352 - 295 = 57$.**

Reasoning 2

Using the information below, complete the two-way table.

Types of Monster Cards

	Sky	Water	Fire	Total
Sam		174	42	
Ross	57	163	62	
Lauren			78	333
Total			182	

- 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.
- True or false? Sam has the most cards in total. Explain how you know.

Reasoning 2

Using the information below, complete the two-way table.

Types of Monster Cards

	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.

- True or false? Sam has the most cards in total. Explain how you know.

I know it is false because...

Reasoning 2

Using the information below, complete the two-way table.

Types of Monster Cards

	Sky	Water	Fire	Total
Sam	84	174	42	300
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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.

- True or false? Sam has the most cards in total. Explain how you know.

I know it is false because Sam has 300 cards whereas Lauren has 333 cards in total.