

Conditional probability: two-way tables *lesson handout*

The Maths Habit

I do

Given that the passenger is an adult, find the probability that they chose a window seat.

	Window	Aisle	Total
Adult	21	14	35
Child	18	7	25
Total	39	21	60

Look at Adult Total

Of these, Window

Probability

We do

Given that the student is in Year 11, find the probability that the student cycles.

	Cycle	Walk	Total
Year 10	12	43	55
Year 11	9	36	45
Total	21	79	100

Look at Year 11 Total 45

Of these, Cycle

Probability

You do

Given that the drink was sold in the morning, find the probability that it was a hot drink.

	Hot	Cold	Total
Morning	34	16	50
Afternoon	12	18	30
Total	46	34	80

Look at Morning Total 50

Of these, Hot

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