

Speed trap

This task is about working out probabilities from a table.

This table shows the number of different types of vehicles caught by a speed camera in one month.

Vehicle Type	Frequency Caught
Private car	500
Taxi	200
Bus	100
Truck	200
Total	1000

a) There is a 1 in 2 chance that the next vehicle to be caught will be a ...

private car

taxi

bus

truck

b) What is the chance that the next vehicle to be caught will be a taxi or a bus?

$\frac{1}{300}$

$\frac{1}{10}$

$\frac{1}{5}$

$\frac{3}{10}$

$\frac{6}{10}$

c) What is the chance that the next vehicle to be caught will be a truck?

$\frac{1}{200}$

$\frac{1}{10}$

$\frac{1}{5}$

$\frac{1}{4}$

$\frac{2}{5}$