a)

A delivery company has a total of 160 cars and vans.

the number of cars : the number of vans = 3 : 7

Each car and each van uses electricity or diesel or petrol.

$\frac{1}{8}$ of the vans use electricity. 25% of the vans use diesel. The rest of the vans use petrol.

Work out the number of vans that use petrol.
You must show all your working.

b)

A delivery company has a 180 vans and a number of cars.

the number of cars : the number of vans = 5 : 4

Each car and each van uses electricity or diesel or petrol.

$\frac{1}{9}$ of the cars use electricity. 20% of the cars use diesel. The rest of the cars use petrol.

Work out the number of cars that use petrol.
You must show all your working.

c)

A delivery company has a number of cars and a number of vans. The company has 120 more cars than vans.

the number of cars : the number of vans = 5 : 2

Each car and each van uses electricity or diesel or petrol.

$\frac{3}{8}$ of the cars use electricity. 27% of the cars use diesel. The rest of the cars use petrol.

Work out the number of cars that use petrol.
You must show all your working.

BACKWARD FADED MATHS