

1 Georgina stops at a petrol station to put petrol in her car.

The gauge on the car shows that the petrol tank is $\frac{1}{4}$ full.
Georgina puts 42 litres of petrol into the tank.

The gauge now shows the petrol tank is $\frac{5}{6}$ full.

How many litres of petrol would be in the tank when it is full?

.....litres [3]

- 2 (a) Ravi has a 500g bag of sugar.
He uses 150g of the sugar to make a cake.

What fraction of the bag of sugar does he use?
Give your answer as a fraction in its simplest form.

(a) [2]

- (b) Elaine is making bread.
She uses 3 pounds of flour.

Roughly how many kilograms of flour is this?

(b)kg [2]

3 Arjun buys family size cartons of orange juice.
Each carton holds 1.75 litres.



(a) How many millilitres of juice does one carton contain?

(a) ml [1]

(b) One day Arjun uses $\frac{1}{6}$ of a carton of this juice.

What **division** should Arjun do to work out how many millilitres of juice he uses?
You do not need to calculate the answer.

(b) [1]

(c) Arjun's family drinks $\frac{3}{4}$ of a carton each day.

Calculate how many **litres** of orange juice Arjun's family drinks each day.
Give your answer as a mixed number in its simplest form.

(c) litres [4]

- 4 (a) 25 g of sweets are taken from a 1 kg jar of sweets.

What fraction of the jar of sweets has been taken?

Give your answer as a fraction in its simplest form.

(a) [2]

- (b) Pam has two cats, Tibbs and Fluff.

Tibbs is fed $\frac{1}{4}$ of a tin of cat food, 3 times a day.

Fluff is fed $\frac{1}{3}$ of a tin of cat food, 2 times a day.

Pam has 13 tins of cat food.

How many days will the cat food last?

(b) [4]

- 5** Margie makes blackberry and apple jam.
Her recipe uses 2 kg of blackberries and 750 g of apples.
This makes 6 jars of jam.

- (a)** Show that the ratio of blackberries to apples, in its simplest terms, is 8 : 3.
Explain clearly how you obtain the answer.

[2]

- (b)** Margie has 3 kg of blackberries.
She uses them all to make blackberry and apple jam.

- (i)** What weight of apples does she use?
Give the units of your answer.

(b)(i) _____ [3]

- (ii)** How many jars of the jam does she make?

(ii) _____ [1]