

Fraction, percentage, ratio problems (A)

A bag contains 320 sweets. The sweets are either strawberry, orange, lemon or mint flavoured.

$\frac{1}{4}$ of the sweets are strawberry

30% of the sweets are orange

The ratio of lemon sweets to mint sweets is 3:1

Work out the number of lemon sweets in the bag.

A farm has 540 animals. The animals are either cows, sheep, pigs or chickens.

$\frac{5}{12}$ of the animals are cows

20% of the animals are sheep

The ratio of pigs to chickens is 2:7

Work out the number of chickens on the farm.

480 people visit a leisure centre. They each use the pool, gym, sports hall or café.

$\frac{3}{8}$ of the people use the pool

35% of the people use the gym

The ratio of people using the sports hall to people using the café is 5:7

Work out the number of people who use the sports hall.

A cinema has 900 seats. Every seat is taken. The audience are watching either an action film, a comedy, a horror film or an animation.

$\frac{5}{9}$ of the audience are watching the action film

20% of the audience are watching the comedy

The ratio of people watching the horror film to people watching the animation is 3:7

Work out how many more people are watching the animation than the horror film.