

Set A

A building has 90 floors with 20 windows on each floor.

- 1 How many windows does the building have in total?
- 2 Six of the windows on every floor have blinds. How many windows have blinds in the whole building?

Sasha buys a pack of hair bobbles.

There are 5 blue bobbles, 7 yellow bobbles, 3 purple bobbles and 2 green bobbles in a pack.

- 3 How many of each colour bobble would there be in 70 packs?

Frances has 300 fairy lights. 4 in every 50 lights are red and 3 in every 50 lights are blue. How many of the 300 lights are:

- 4 red?
- 5 blue?

A bakery sells birthday cakes with either icing, chocolate or butter-cream on the top. They sell their cakes in 5 different flavours.

- 6 How many different cakes does the bakery offer?
- 7 The bakery receives an order for 436 cakes. The customer wants an equal number of cakes in 4 different flavours. How many of each flavour should the bakery make?

There are 747 people on a train. The train has 9 carriages.

- 8 The same number of people are in each carriage. How many people are in each carriage?
- 9 Another train has four times as many passengers. How many passengers does it have?
- 10 Over 5 days, a ship travels 3765 km. It travels the same distance every day. How far does it travel each day?

Set B

Marina has 104 hens.

One month, each hen lays 18 eggs.

- 1 How many eggs did the hens lay in total?
- 2 Marina can fit 6 eggs in a box. If Marina has 1666 eggs, how many boxes can she fill with eggs?

Caleb buys 32 packs of crayons.

Each pack has 5 different colours and contains 2 of each colour.

- 3 How many of each colour crayon does Caleb have in total?
- 4 How many crayons are there in total?
- 5 Caleb shares the crayons out equally into 8 pots at school. How many crayons are in each pot?
- 6 A sweet shop has 729 sweets. They have 9 different types of sweet and an equal number of each type of sweet. How many of each sweet do they have?

Minnie the monkey eats 1825 bananas a year.

- 7 Marcel eats 4 times as many bananas a year as Minnie. How many does he eat a year?
- 8 Harvey the monkey eats 5 times less bananas a year than Minnie. How many does he eat?

Erin finds 60 spiders in her garden.

Each spider has 8 legs.

- 9 How many legs do the spiders have in total?
- 10 Erin finds 7 of every 10 spiders on the lawn. How many of the 60 spiders did she find on the lawn?

Each cake at a fair has been cut into 12 pieces.

There are 612 pieces in total.

- 11 How many cakes are there?
- 12 There is enough cake for everyone at the fair to have 4 pieces with no cake left over. How many people are at the fair?

Set C

Set C

Amita wants to decorate some cupcakes with chocolate buttons. She has 8 bags of chocolate buttons, and there are 29 buttons in each bag.

- 1 How many chocolate buttons does Amita have in total?
- 2 If Amita decorates 18 cupcakes with 8 chocolate buttons each, how many buttons will she have left?
- 3 If Amita puts 6 buttons on each cupcake, how many cupcakes can she decorate before she runs out of buttons?

A normal bus can carry 80 people.
A double decker bus can carry 134 people.

- 4 How many people can 4 normal buses and 8 double deckers carry?
- 5 3 in every 10 seats on a normal bus are red. How many red seats are there on 2 normal buses?

Burgers are sold in packs of 8.
Burger buns are sold in packs of 6.

- 6 What is the smallest number of burgers and buns that can be bought to have the same number of both?
- 7 113 people are coming to Dylan's barbecue. How many packs of burgers and buns should Dylan buy to make sure that everyone has a burger and a bun each?

On another planet, all aliens have 3 heads and 6 arms.

If there were 5340 aliens, how many:

- 8 arms would there be?
- 9 heads would there be?

2500 enemy aliens arrive on the planet.
6 in every 100 of these aliens have purple eyes.

- 10 How many enemy aliens have purple eyes?