Example

To celebrate that all the students in the Care group have achieved their targets in maths by half term, Joc is buying ice cream for the students and learning facilitators.

If the total number of people is 22 and the ice creams come in packs of 6, how many packs should he buy?

Space for working

22 people

6 ice creams per pack

\[ \frac{22}{6} = 3 \text{ r } 4 \]

\[ \frac{6 \text{ people}}{2 \text{ packs per person}} = 3 \text{ packs} \]

\[ \text{ANSWER: 4 packs} \]

...if he bought 3 packs only, you and 3 other people would not get an ice cream! He needs to buy 4 packs.

Problem 1

You need 14 AA batteries. They come in packs of 4.

How many packs will you need to buy?

Space for working
Division – interpreting remainders

Name __________________ Date ______

Problem 2

You need 25 stamps. They come in books of 6.

How many books do you need to buy?

Problem 3

Helen is taking the ESOL group and some members of staff (23 people in total) to a typical English restaurant in Manchester (Thanks, Helen!).

A typical cab can carry up to 5 passengers.

How many cabs does she need to book?
Problem 4

You have agreed to bake 23 bread rolls for the End of Year party. If you can fit 8 rolls in a baking tray, how many trays will you need to bake all the rolls?

Space for working

Problem 5

You are tidying up your CD collection into sleeves so that they take less space and are easier to find.

If you have 70 CDs and every sleeve takes 4 CDs, how many sleeves do you need to buy?

Space for working
Problem 6

You have got some money for your birthday. You can buy second-hand games for £15. How many of these games can you buy with £50?

Problem 7

An episode of EastEnders lasts, on average, 30 minutes. A standard DVD can record up to 400 minutes.

How many episodes can you record on one DVD?