

Year 1 Task:

Objective:

- Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables
- Solve problems involving multiplication and division

Birthday Sharing

nrich.maths.org/14052

It's Sahila's birthday and she is having a party.



Sahila has 18 cupcakes for the party tea and she would like to share them out equally onto two plates for the table.

How many cakes will go on each plate?

Sahila has invited nine children to her party.

They are going to play a game in pairs. Each pair will need a balloon.

How many balloons will they need?



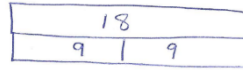
Sahila is going to give everyone five juggling balls to take home after the party.

Will 55 balls be enough?

Worked example:**Cupcakes:**

I know that $2 \times 9 = 18$

So $18 \div 2 = 9$



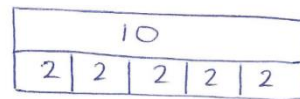
There will be 9 cakes on each plate.

Balloons:

Sahila invited 9 friends so there are 10 children all together.

10 children in pairs (groups of 2)

$10 \div 2 = 5$



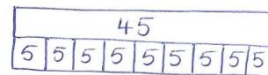
10 children
in pairs

They will need 5 balloons.

Juggling balls:

$5 \times 9 = 45$.

So Sahila can give all of her friends 5 juggling balls. She will have 10 left over.

**Variation:**

She also has 22 mini chocolate eggs to put into 2 bowls on the table. How many would she put in each bowl so that they both have the same amount?

In the party bags, her friends have 4 packs of stickers each. There are 5 stickers in each packet. How many stickers has each person got?

Sahila has a bag of 40 sweets to share between everybody (including herself!) How many sweets can each person have?

Solutions:

Mini Eggs:

$$2 \times 11 = 22$$

$$\text{So } 22 \div 2 = 11$$

Sahila would put 11 mini eggs in each bowl.

Stickers:

$$5 \times 4 = 20$$

Each person would get 20 stickers.

Sweets:

40 sweets shared between 10 people.

$$40 \div 10 = 4$$

(because $10 \times 4 = 40$), so each person would get 4 sweets.