

YEAR 1 MATHS

Term 6 Week 5

Mathletics and Professor Assessor

This week we have set some multiplication and division activities for you to try on Mathletics:

<https://www.mathletics.com/uk/>

We have also set a 2, 5 and 10 times tables test and a multiplication and division home learning task on

Professor Assessor: www.prof123.co.uk/

You will have 1 week to complete each of these tasks from Monday 29th June. All of these activities will help us to know how you are getting on with your learning.

This week – Multiplication and Division

- Each session should take about 45 minutes.
- This week we are focusing on:
- **Lesson 1** – Multiplication and Division Sentences
- **Lesson 2** – Multiplication Methods
- **Lesson 3** – Division Methods
- **Lesson 4** – Multiplication and Division Problems
- **Lesson 5** – Key skills – 1 more and 1 less

Session 1 – Multiplication and Division Sentences

- In this session we are going to show our understanding of multiplication and division using pictures to represent grouping and sharing.
- First we would like you to watch Mrs Janman's video:
https://www.youtube.com/watch?v=o_jgt47OrsM
- We would now like you to work through the problems on the next few pages.
- Extra Challenge: Can you draw your own multiplication or division picture and write a sentence to explain it?

Session 1 – Multiplication Questions

1

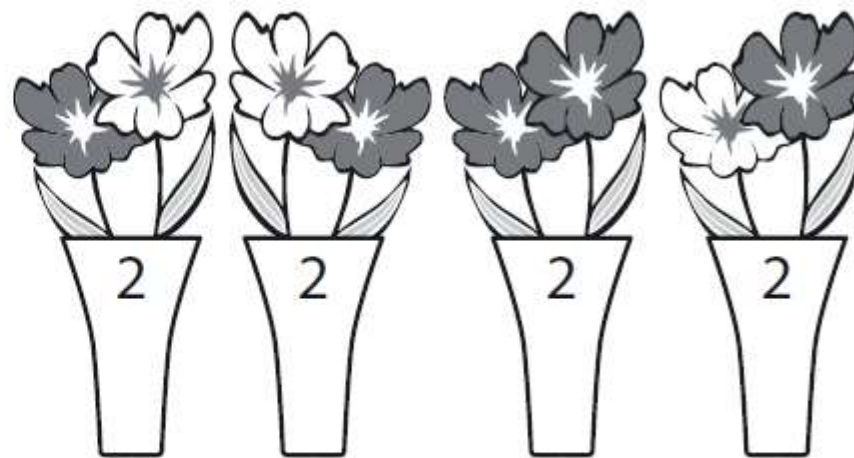
Anya's
toys



Alia's
toys

groups of **2** toys equal toys in total.

2 For each of the following, fill in the missing numbers.



4 groups of flowers make flowers altogether.

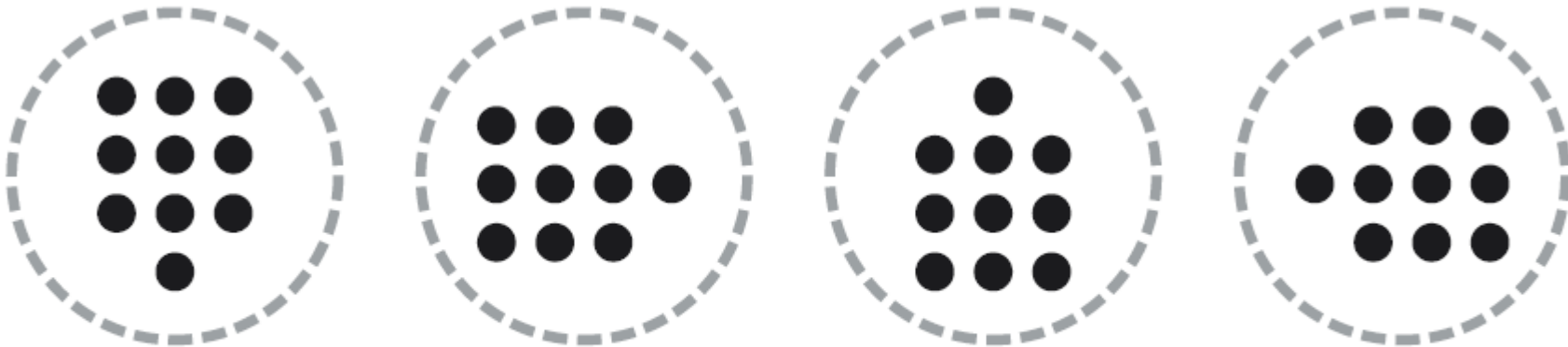
Session 1 – Multiplication
Questions

3



lots of **5** sweets equal sweets altogether.

4



groups of **10** spots equal spots.

Session 1 – Division
Questions

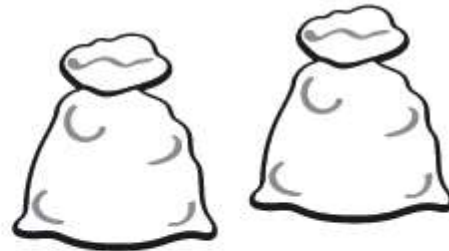
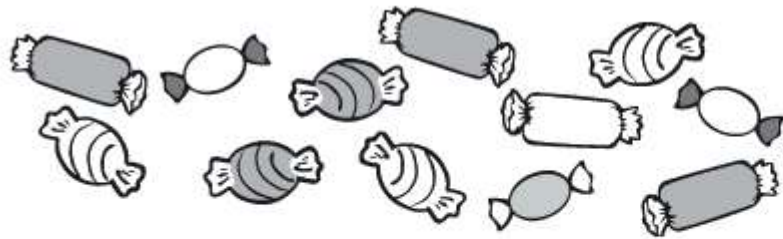
Fill in the missing numbers in the sentences.

1



10 teddies shared between equal teddies in each group.

2



12 sweets shared between bags give sweets in each bag.

Session 1 – Division
Questions

3 20 straws put into milk bottles give straws in each bottle.



4



9 toy boats shared between groups equal toy boats in each group.

Session 2 – Multiplication Methods

- Today we are going to focus on different methods that we can use to answer multiplication questions.
- Please start by watching Mrs Janman's video:
<https://www.youtube.com/watch?v=IOGMLLsmKIY>
- Next we would like you to try one set of the multiplication questions on the next page using your chosen method.
- Lastly, can you explain the method you have been using in your own words? We are looking for you to show you have understood the method you are using.

Session 2 – Multiplication Methods

Set 1	Set 2	Set 3
$2 \times 3 =$	$3 \times 4 =$	$5 \times 3 =$
$2 \times 8 =$	$4 \times 5 =$	$10 \times 6 =$
$5 \times 6 =$	$2 \times 8 =$	$4 \times 8 =$
$10 \times 4 =$	$5 \times 6 =$	$3 \times 7 =$
$3 \times 5 =$	$4 \times 4 =$	$5 \times 9 =$
$3 \times 2 =$	$10 \times 3 =$	$4 \times 5 =$

Session 3 – Division Methods

- Today we are going to be recapping different methods that we have learnt to calculate division questions.
- Please start by watching Mrs Janman's video:
<https://www.youtube.com/watch?v=WWq87or3stA>
- Next we would like you to try one set of the division questions on the next page using your chosen method.
- Lastly, can you explain the method you have been using in your own words? We are looking for you to show you have understood the method you are using.

Session 3 – Division Methods

Set 1	Set 2	Set 3
$6 \div 2 =$	$15 \div 5 =$	$18 \div 2 =$
$12 \div 3 =$	$20 \div 4 =$	$20 \div 5 =$
$8 \div 2 =$	$18 \div 3 =$	$24 \div 4 =$
$10 \div 5 =$	$14 \div 2 =$	$21 \div 3 =$
$9 \div 3 =$	$16 \div 4 =$	$25 \div 5 =$
$12 \div 2 =$	$12 \div 3 =$	$27 \div 3 =$

Session 4 – Multiplication and Division Problems

- Today we are going to solve some problems involving multiplication and division.
- Please start by watching Mrs Janman's videos:
- Multiplication Problems: <https://www.youtube.com/watch?v=MkGvyyWVqTY>
- Division Problems: <https://www.youtube.com/watch?v=6cg2fvzkm7s>
- There are some multiplication and division problems to try on the next few pages. The first 2 pages of problems have pictures to help you. The last page does not have pictures and you will need to use the multiplication and division methods practised this week to answer the problems.
- Extra Challenge: If you would like some more multiplication and division problems to try then please play the post box sorting game. You could solve each problem before choosing whether it is a multiplication or division question. <https://www.topmarks.co.uk/Flash.aspx?f=postsortingwordproblem>

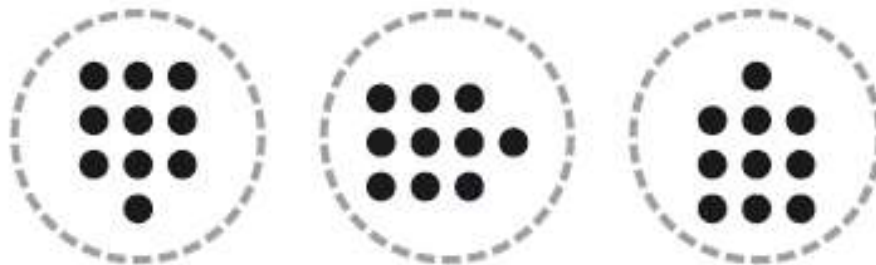
Session 4 – Multiplication Problems

1 How many gloves are there altogether?

Count in **twos** to find the answer.

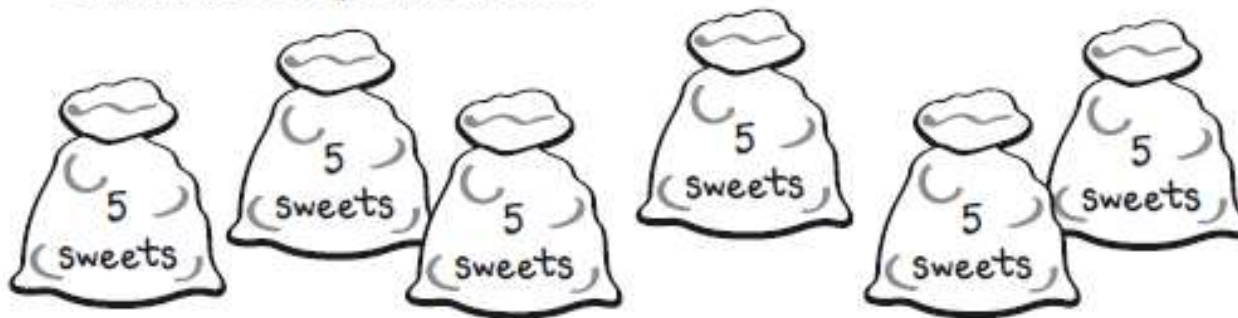


2 Count in **tens** to work out the total number of spots.



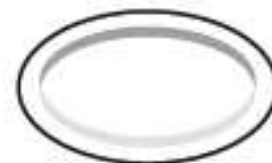
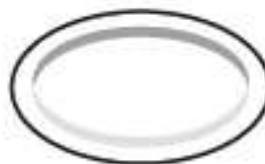
3 How many sweets are there altogether?

Count in **fives** to get the answer.



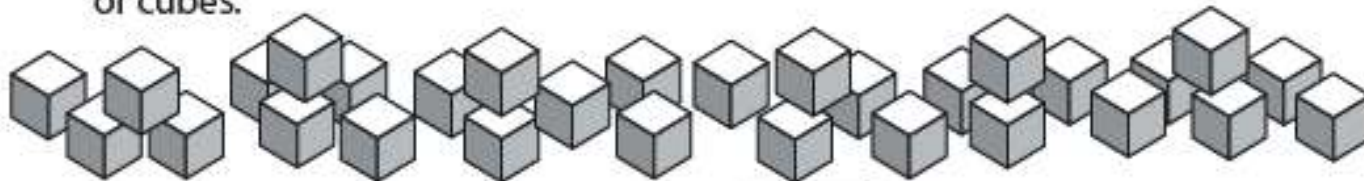
Session 4 – Division Problems

- 1 Caitlin put the same number of cakes on each plate.



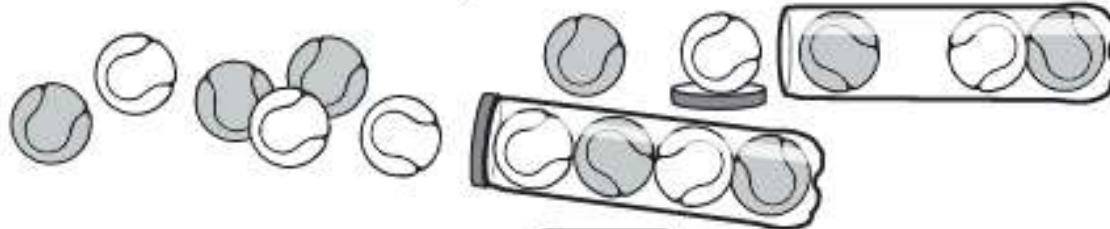
How many cakes were on each plate?

- 2 Tom had 30 cubes. He made 10 towers. Each tower had the same number of cubes.



How many cubes were in each tower?

- 3 Five friends shared 15 balls evenly between them.



How many balls did each friend get?

Session 4 – Multiplication and Division Problems

- 1) There are 6 elephants at Longleat, each of them have 4 legs. How many legs are there altogether?
- 2) Mrs Gray goes to the shop to buy 2 bags of apples. In each bag there are 7 apples. How many apples does she buy?
- 3) At the beach there are 5 families having picnics. Each family has 4 children. How many children are there altogether?
- 4) The children go to feed the ducks. 3 ducks have had 6 baby ducklings each. How many baby ducklings are there?
- 5) Mrs Gray buys a bar of chocolate. It has 12 squares. She wants to share it with Mrs Janman. How much chocolate will they have each?
- 6) Mrs Janman has 24 crayons on the floor. She wants to put them in the boxes. Each box only has space for 6 crayons. How many boxes of crayons does Mrs Janman have?
- 7) In the cupboard there are boxes to put 16 jumpers in. Mrs Gray says each box will hold 4 jumpers. How many boxes will she need?

Session 5 – Key skills – 1 more or 1 less

- Today we would like you to recap our learning, from earlier this year, on the key skill of finding 1 more or 1 less than a given number.
- First, we would like you to try finding 1 more or 1 less than the numbers in one of the activities on the following pages. There are 3 levels of challenge so please work with an adult to select the level of challenge appropriate for you.
- You can complete this task with or without a number line. However, if you choose to not use a number line then we would like you to check your work on a number line afterwards.
- After this we would like you to try the 1 more or 1 less problems on the last 2 pages.
- Please don't forget to try the Mathletics and Professor Assessor activities set for this week.

Session 5 – Key skills – 1 more or 1 less

Activity 1

1 Less		1 More
	8	
	11	
	15	
	20	
	23	

Session 5 – Key skills – 1 more or 1 less

Activity 2

1 Less		1 More
	18	
	30	
	45	
	51	
	73	

Session 5 – Key skills – 1 more or 1 less

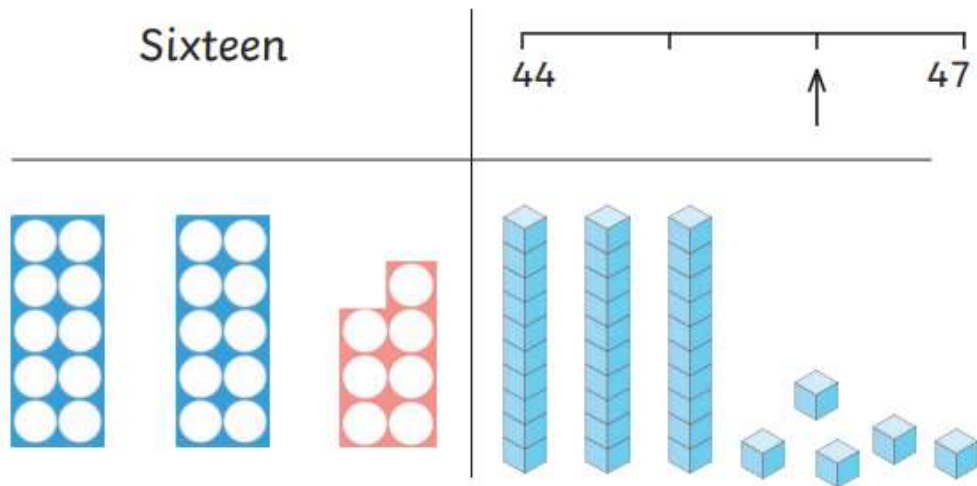
Activity 3

1 Less		1 More
	108	
	120	
	165	
	183	
	237	

Session 5 – 1 more or 1 less problems

One More and One Less - Challenge Cards

6. What is one less than each of these numbers?



One More and One Less - Challenge Cards

7. What pattern is created if you keep finding 2 less than a number?

- Start at 20 and explore the pattern.

20

- Can you make a rule about what you notice?