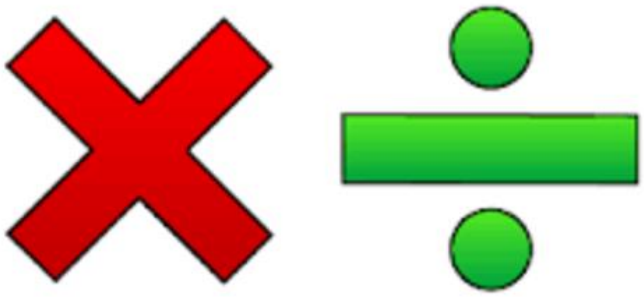
Mrs France's Maths

Multiplication & Division



MULTIPLICATION

DIVISION

This week we will be focusing our attention on multiplication and division. All of your maths activities will be based around this topic. You will have the opportunity to practice skills you have already learnt with your teacher over the year and then use those skills to solve problems and explain your answers.

We hope you enjoy them!

Mrs France's Maths

Monday 13TH July – Starter

Know Your Facts

Ask your helper to time you for 60 seconds. Complete as many of the questions in the first column as you can, then mark them together. Next week, try and beat your score using the next column.

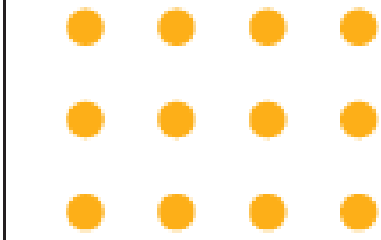
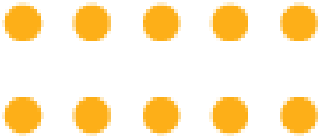
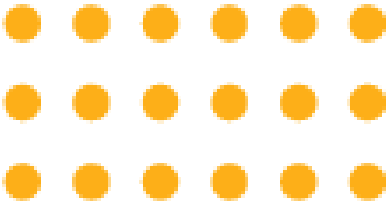
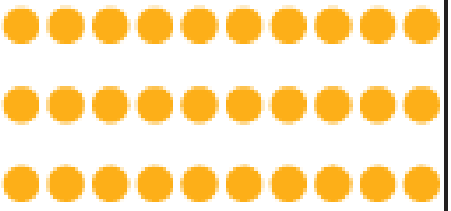
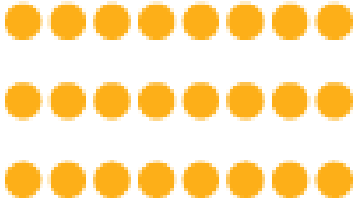
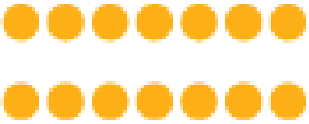
3 × 2 =	1 × 5 =	1 × 2 =	12 × 2 =	1 × 2 =
4 × 5 =	5 × 2 =	3 × 3 =	11 × 5 =	2 × 3 =
2 × 10 =	10 × 5 =	5 × 5 =	10 × 2 =	3 × 5 =
6 × 5 =	4 × 3 =	7 × 10 =	1 × 5 =	4 × 3 =
3 × 3 =	7 × 10 =	9 × 3 =	2 × 3 =	5 × 5 =
2 × 5 =	2 × 3 =	12 × 5 =	3 × 5 =	12 × 3 =
1 × 5 =	4 × 2 =	11 × 2 =	6 × 3 =	11 × 2 =
0 × 3 =	6 × 5 =	2 × 10 =	4 × 10 =	10 × 3 =
10 × 10 =	8 × 10 =	4 × 3 =	7 × 2 =	9 × 10 =
12 × 2 =	9 × 5 =	6 × 5 =	9 × 5 =	8 × 10 =
11 × 5 =	10 × 3 =	8 × 10 =	8 × 3 =	7 × 10 =
6 × 3 =	11 × 2 =	10 × 2 =	2 × 10 =	6 × 3 =
5 × 5 =	12 × 5 =	12 × 2 =	6 × 10 =	0 × 5 =
4 × 2 =	3 × 3 =	2 × 3 =	2 × 3 =	6 × 2 =
6 × 2 =	5 × 10 =	7 × 5 =	8 × 5 =	8 × 3 =
8 × 10 =	10 × 2 =	8 × 10 =	9 × 2 =	4 × 2 =
4 × 3 =	11 × 5 =	9 × 10 =	4 × 5 =	11 × 5 =
2 × 2 =	9 × 3 =	11 × 3 =	3 × 3 =	12 × 3 =
5 × 10 =	1 × 10 =	12 × 2 =	11 × 2 =	0 × 10 =
6 × 4 =	0 × 2 =	6 × 5 =	12 × 5 =	2 × 2 =

Mrs France's Maths

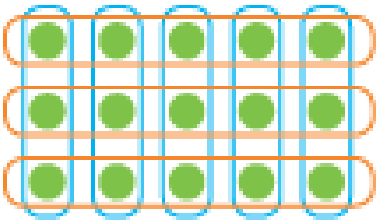
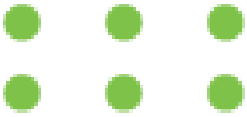
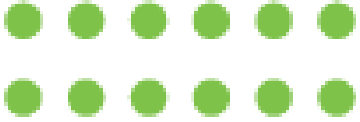
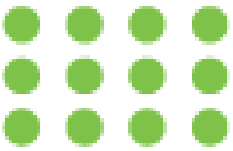
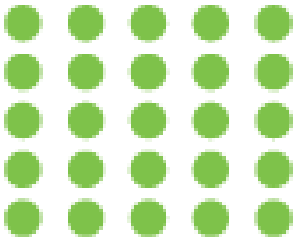
Main tasks

Array for Maths!

Write two multiplication sentences for each of these arrays. The first one has been done for you.

		
4 × 3 = 12		
3 × 4 = 12		
		

Write two division sentences for each of these arrays. Try using coloured pencils to group the dots.

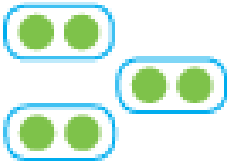
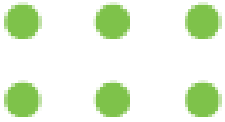
		
15 ÷ 5 = 3		
15 ÷ 3 = 5		
		

What do you notice about the last one? Talk to your helper.

Mrs France's Maths

Multiplication

Complete the table. The first one is done for you.

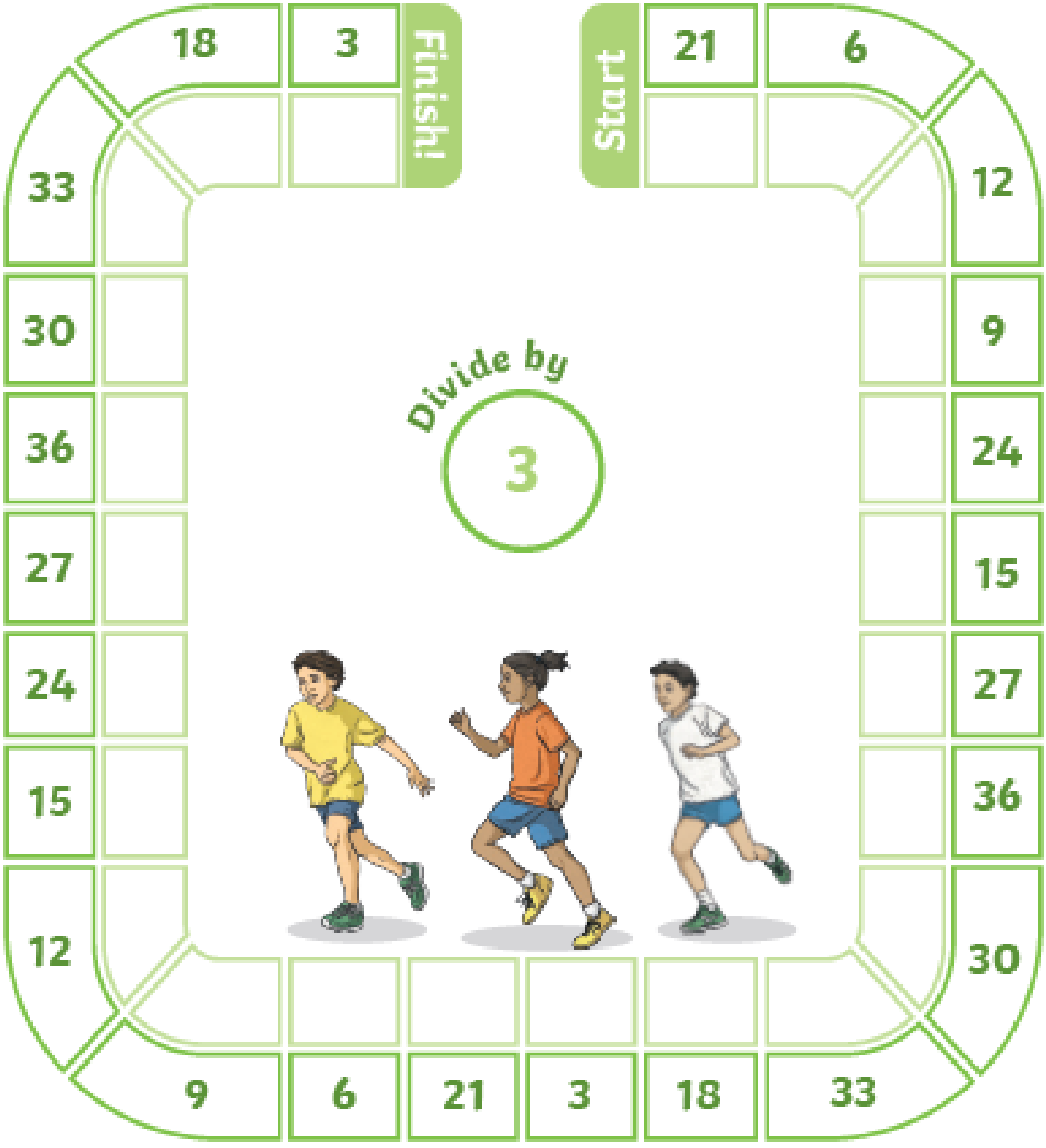
Factors	Repeated Addition	Groups	Array	Related Calculation (commutative property)	Product
3 × 2	2+2+2			2 × 3	6
2 × 5					
3 × 10					
6 × 2					
4 × 3					
3 × 5					
2 × 10					

Mrs France's Maths

Tuesday 14TH July – Starter

Division by 3 Race

Take the number in the circle below and divide the numbers outside of the track by it. Write your answers as you go and see how long it takes you to finish the race!

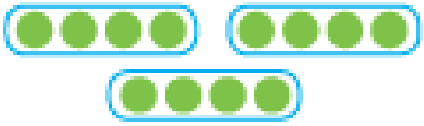
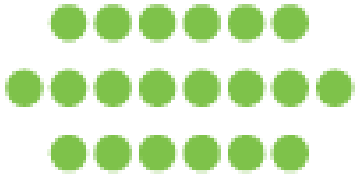
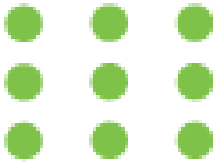
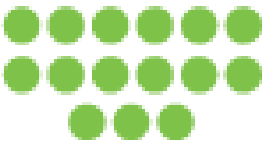


Mrs France's Maths

Main Tasks

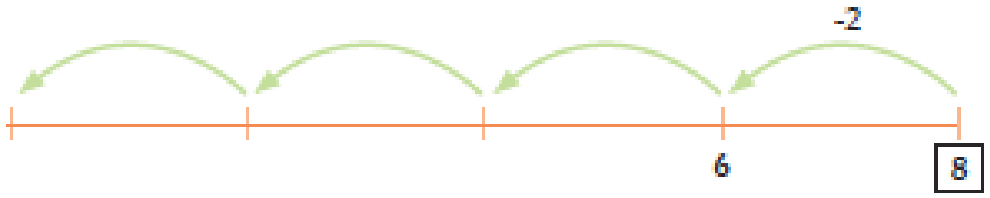
Division

Complete the table. The first one is done for you.

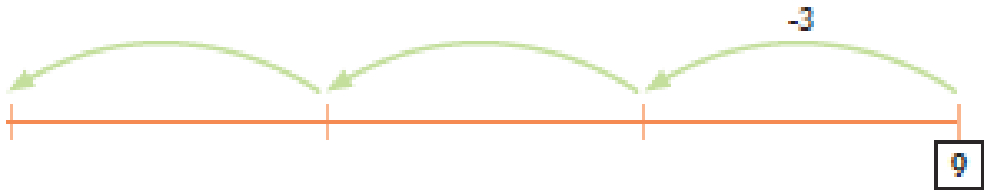
Division	Sharing	Answer	Related Multiplication Facts
12 ÷ 3		4	3 × 4 = 12 4 × 3 = 12
8 ÷ 2			
10 ÷ 5			
20 ÷ 10			
12 ÷ 2			
9 ÷ 3			
15 ÷ 5			

Division using a Numberline

1. 8 ÷ 2 =



2. 9 ÷ 3 =



3. 12 ÷ 4 =

4. 12 ÷ 3 =

5. 18 ÷ 3 =

6. 18 ÷ 6 =

7. 36 ÷ 3 =

8. 48 ÷ 4 =

Mrs France's Maths

Wednesday 15th July – Starter (Doubling)

Table at the Double

Find the 2x table by doubling each number. Find the 4x table by doubling the 2x table. Find the 8 times table by doubling the 4x table. Can you complete the whole sheet?

Number	x2	x4	x8
2	4	8	16
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
15			
20			
50			
100			

Mrs France's Maths

Main Task

Commutativity

The commutative property of multiplication means that when two numbers are multiplied together it doesn't matter which one comes first because the product will be the same. Division does not have commutativity.

$4 \times 2 = 2 \times$ _____

$1 \times 3 = 3 \times$ _____

$3 \times 5 = 5 \times$ _____

$3 \times 10 = 10 \times$ _____

$7 \times 10 = 10 \times$ _____

$11 \times 3 = 3 \times$ _____

Fill in the missing numbers:

_____ × 2 = 2 × 5 5 × 2 = _____ 2 × _____ = _____	_____ × 3 = 3 × 8 3 × 8 = _____ 8 × _____ = _____
10 × 2 = 2 × _____ × _____ = _____ _____ × _____ = _____	4 × 6 = _____ × 4 _____ × _____ = _____ _____ × _____ = _____

Challenge: Ryan has 3 boxes with 5 cars in each. His friend Sam has 5 boxes with 3 cars in each. Who has the most cars?

Mrs France's Maths

Thursday 16th July

Fill the Gaps

Emma and James are visiting the circus. Can you work out the answers to these problems for them? Use arrays, sharing, objects, or anything else that may help you. Don't forget to look for the important information!

Each children's ticket costs £5. How much do the 2 children pay altogether?	Each section of the circus has 10 seats. If 40 people arrive, how many sections will they need?	There are 3 clowns and each clown juggles 4 balls. How many balls altogether?
There are 20 sweets in Emma's packet. If she shares them equally with James, how many sweets will they have each?	9 trapeze artists swing on 3 swings. How many trapeze artists are on each swing? 	The motorbike riders are next. There are 18 wheels altogether. How many motorbikes are there? 
The circus dancers wear feathers in their hair. There are 5 dancers and each dancer wears 3 feathers. How many feathers altogether?	There are 7 acrobats. Each acrobat does 5 tumbles. How many tumbles altogether?	At the end of the show, 10 performers take 30 bows altogether. How many bows does each performer take?

Mrs France's Maths

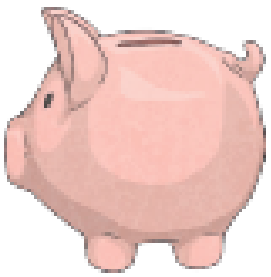
Friday 17th July

Scaling Problems

1. There are three biscuits in a packet. How many are there in seven packets?

2. There are six stickers in a pack, how many packs do you need to buy to have 30 stickers?

3. I have eight 5p coins in my money box. How much money do I have?



4. Joe builds a tower which is five bricks tall. Gina builds one four times as high. How many bricks does Gina use?

Thank you to Twinkl for allowing us to use their amazing resources.

We hope you have enjoyed this week's tasks.

Remember to upload your work to the FROG so your teacher can see all of the amazing hard work you have done!