Unit 5
Multiplication and division 2

In this unit we will ...

- Learn the 3, 4 and 8 times-tables
- Find a simple remainder when a number is divided
- Use a bar model to solve multiplication and division problems

We will need some maths words. How many of these have you used before?

equal **multiply** **divide** **multiple**

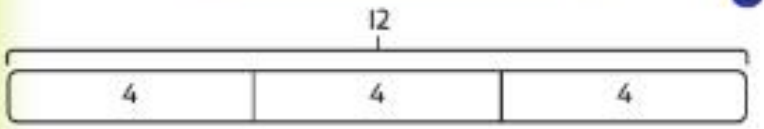
times-tables **sharing** **grouping**

array **bar model** **repeated addition**

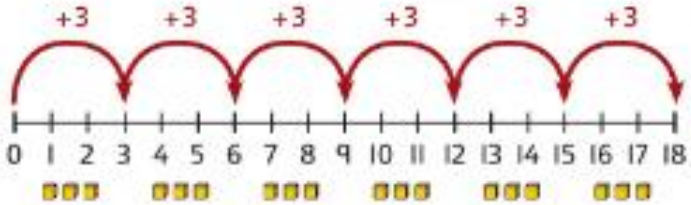
multiplication sentence **multiplication fact**

division sentence **division fact** **remainder**

We will use bar models to help solve multiplication and division problems.



We need to use number lines too. These will help us understand multiplication and division.

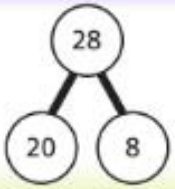


Unit 6
Multiplication and division 3

In this unit we will ...

- Compare multiplication and division statements using inequality signs
- Use known multiplication facts to solve other multiplication problems
- Find multiplication and division fact families
- Learn to multiply and divide by partitioning
- Solve mixed multiplication and division problems including multi-step problems

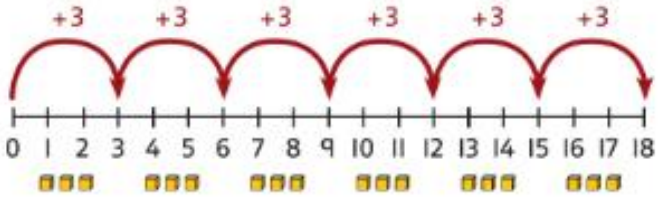
Do you remember what this is called? We will use it to help partition numbers.



We will need some maths words. Do you know what they all mean?

multiplication | division | statement | number sentence | compare | less than (<) | greater than (>) | equal (=) | equally | least | most | remainder | expanded written method | share | multi-step

We need to use number lines too. These will help us understand multiplication and division.



EXAMPLES OF METHODS TAUGHT

Share

a) Mrs Dean travels along the road between home and school 4 times on Monday and Tuesday.

Each time she travels 23 km.

The total distance is 4 × 23 km.

This is called the **expanded written method**.

T	O
	
	
	
	

	T	O
	2	3
×		4
	1	2
+	8	0
	9	2

4 × 3

4 × 20

Mrs Dean travels 92 km in total.

b) The total distance is 2 × 16 km.

I multiplied the 1s first, then the 10s.

	T	O
	1	6
×		2
	1	2
+	2	0
	3	2

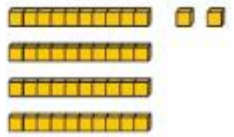
2 × 6

2 × 10

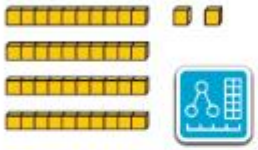
The total distance is 32 km.

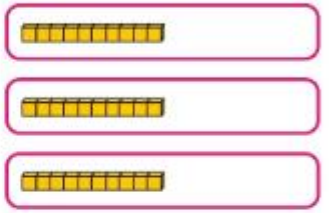
Share

a) 42 lanterns were released.



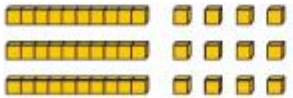
b) There are three boats. Calculate 42 ÷ 3. First, share the 10s.

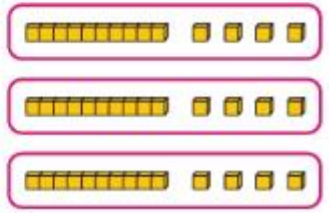




I found it tricky to share 4 tens between 3.

I exchanged 1 ten for 10 ones and then shared them out.





Each boat released 14 lanterns.

42 ÷ 3 = 14