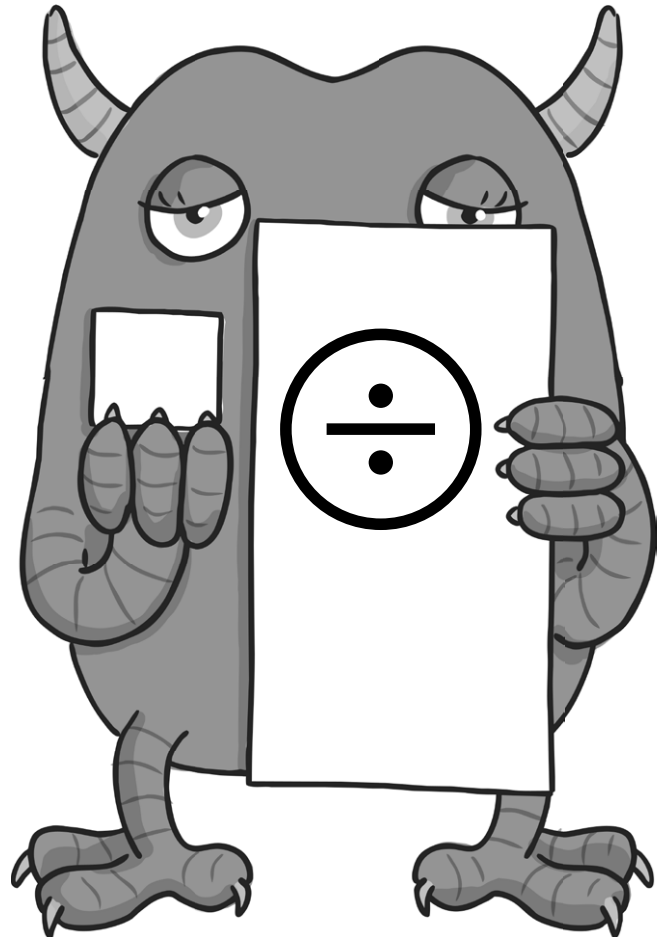
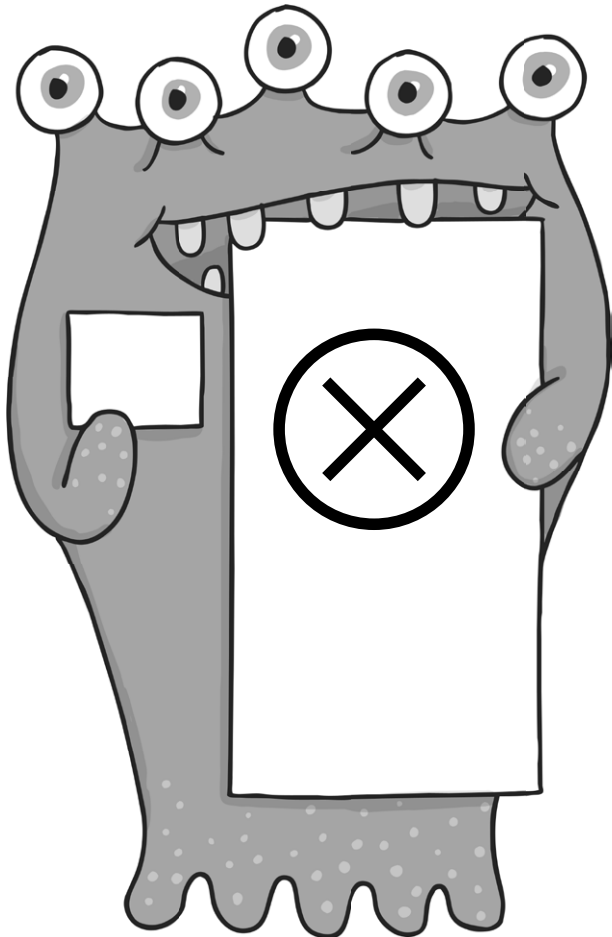


# Year 1 Maths

## Multiplication and

## Division Workbook



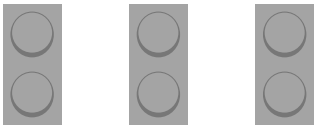
# Year 1 Maths Multiplication and Division Workbook

## Year 1 Programme of Study – Multiplication and Division

Statutory Requirements	Worksheet	Page Number	Notes
Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.	Building Bricks Multiplication	3	
	Multiplying by 3 on a Number Line	4 - 5	
	Multiplication as Repeated Addition	6	
	Division by Sharing	7	
	Representing Division	8	

# Building Bricks Multiplication


Can you add the bumps on the building bricks to complete these multiplication calculations?

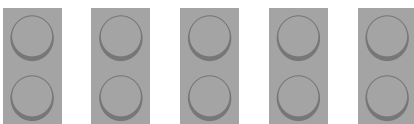
1.   $2 + 2 + 2 = \square$   $3 \times 2 = \square$


2.   $4 + 4 = \square$   $2 \times 4 = \square$

3.   $3 + 3 = \square$   $2 \times 3 = \square$

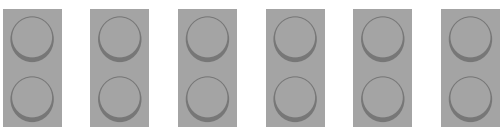
4.   $3 + 3 + 3 = \square$   $3 \times 3 = \square$

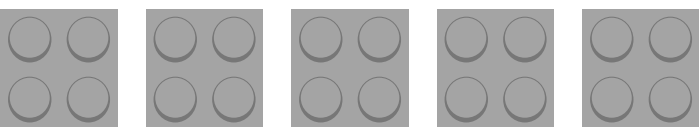
5.   $1 + 1 + 1 + 1 = \square$   $4 \times 1 = \square$

6.   $2 + 2 + 2 + 2 + 2 = \square$   $5 \times 2 = \square$

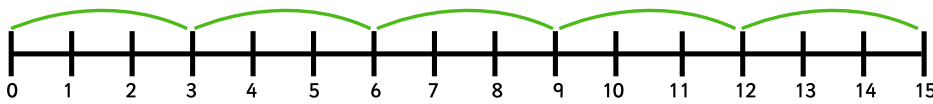
7.   $1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = \square$   $8 \times 1 = \square$

8.   $4 + 4 + 4 + 4 = \square$   $4 \times 4 = \square$

9.   $2 + 2 + 2 + 2 + 2 + 2 = \square$   $6 \times 2 = \square$

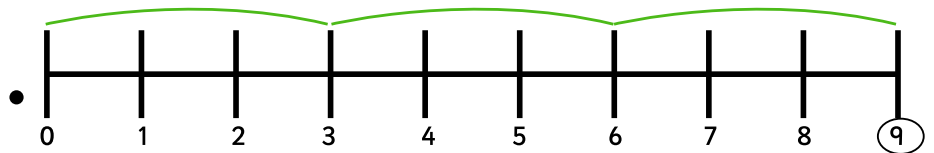
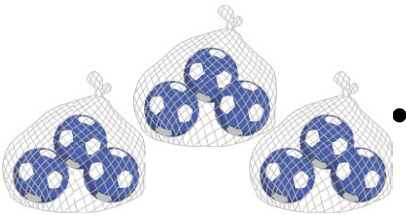
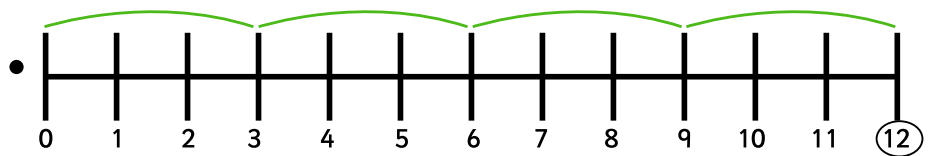
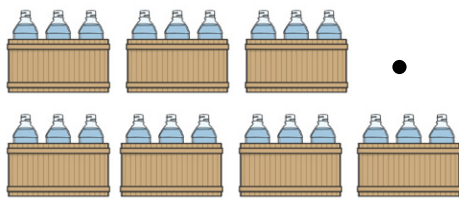
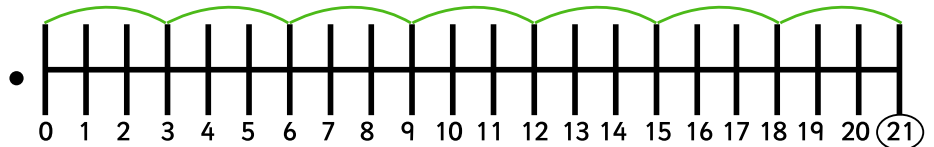
10.   $4 + 4 + 4 + 4 + 4 = \square$   $5 \times 4 = \square$

# Multiply by 3 on a Number Line

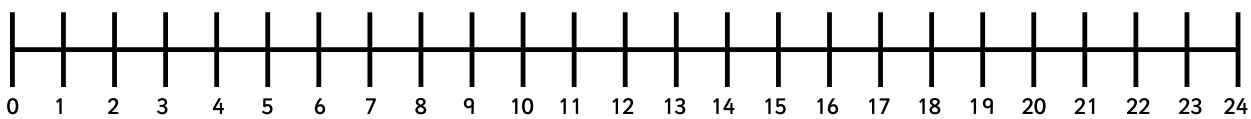


$5 \times 3$  means do 5 jumps of 3 = 15

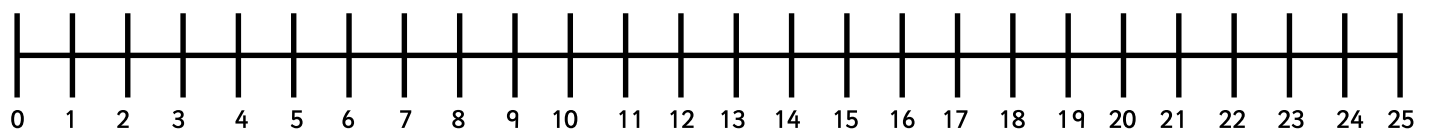
1. Join the dots to match the pictures to the number lines.



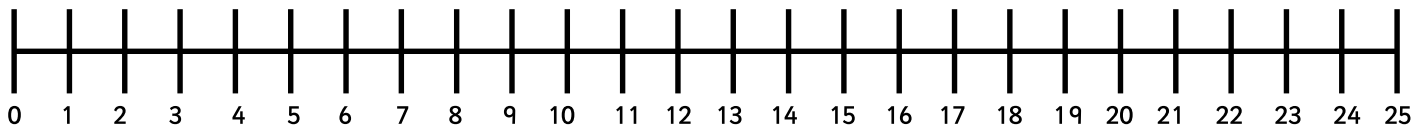
2. Can you draw jumps of 3 on the number line for the following?



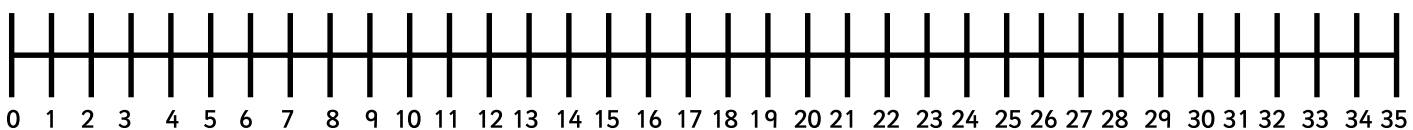
3. How many 3s are in 24? Can you draw the jumps?













4. What are 6 lots of 3? Can you draw the jumps?



5. Aliens have 3 eyes. There are 11 aliens. How many eyes are there altogether?



# Multiplication as Repeated Addition

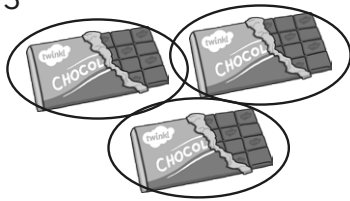
<p>One ostrich has two legs.</p> 	2	$1 \times 2 = 2$
<p>How many legs do 2 ostriches have?</p> 	$2 + 2 =$	$2 \times 2 =$
<p>How many legs do 3 ostriches have?</p> 	$2 + 2 + 2 =$	$3 \times 2 =$
<p>How many legs do 4 ostriches have?</p> 	$\_ + \_ + \_ + \_ =$	$4 \times 2 =$
<p>How many legs do 5 ostriches have?</p> 		$5 \times 2 =$
<p>One lemur has 4 legs.</p> 	4	$1 \times 4 =$
<p>How many legs do 2 lemurs have?</p> 	$4 + 4 =$	$2 \times 4 =$
<p>How many legs do 3 lemurs have?</p> 	$\_ + \_ + \_ =$	$3 \times 4 =$
<p>How many legs do 4 lemurs have?</p> 		$4 \times 4 =$
<p>How many legs do 5 lemurs have?</p> 		$5 \times 4 =$

# Division by Sharing

Use a pencil to share these tasty goodies equally between different numbers of people.

e.g.

Share between 3



How many does each person get?

①    2    3    4    5

What does the calculation look like?

$$3 \div 3 = 1$$

How many does each person get?

What does the calculation look like?

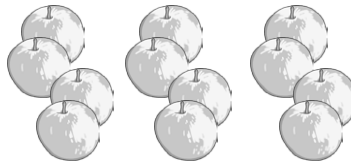
1. Share between 2



2    3    4    5

$$8 \div 2 =$$

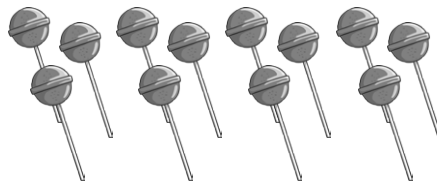
2. Share between 4



2    3    4    5

$$12 \div 4 =$$

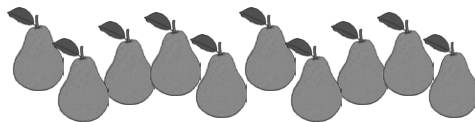
3. Share between 3



2    3    4    5

$$12 \div 3 =$$

4. Share between 5



2    3    4    5

$$10 \div 5 =$$

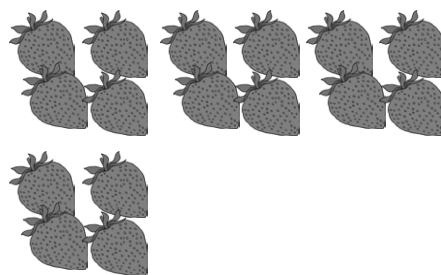
5. Share between 2



2    3    4    5

$$10 \div 2 =$$

6. Share between 4

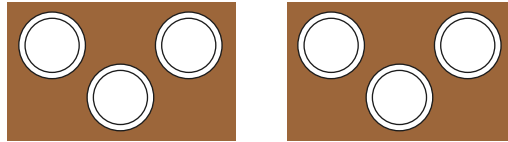


2    3    4    5

$$16 \div 4 =$$

# Representing Division

e.g. Des has 6 plates. If he shares them out equally between 2 tables, how many will be on each?



$$6 \div 2 = 3$$

1. The mother blackbird has caught 6 worms – how many will each of her three chicks get?



$$6 \div 3 =$$

2. Julia has drawn 4 monsters and has 12 googly eyes to share between them. How many will each one get?



$$12 \div 4 =$$

3. Amina and her brothers are given £9 to share. How much will each of them get?



$$9 \div 3 =$$

4. Dan has 15 arrows. He shoots at each target in turn. How many times does he hit each target?



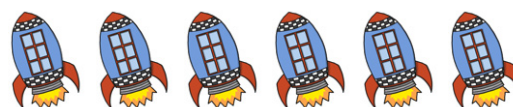
$$15 \div 5 =$$

5. Robyn cooks 16 eggs and shares them between the 4 members of her family. How many eggs do they each get?



$$16 \div 4 =$$

6. NASA have 18 rocket engines to divide between 6 rockets. How many engines will they build on each rocket?



$$18 \div 6 =$$