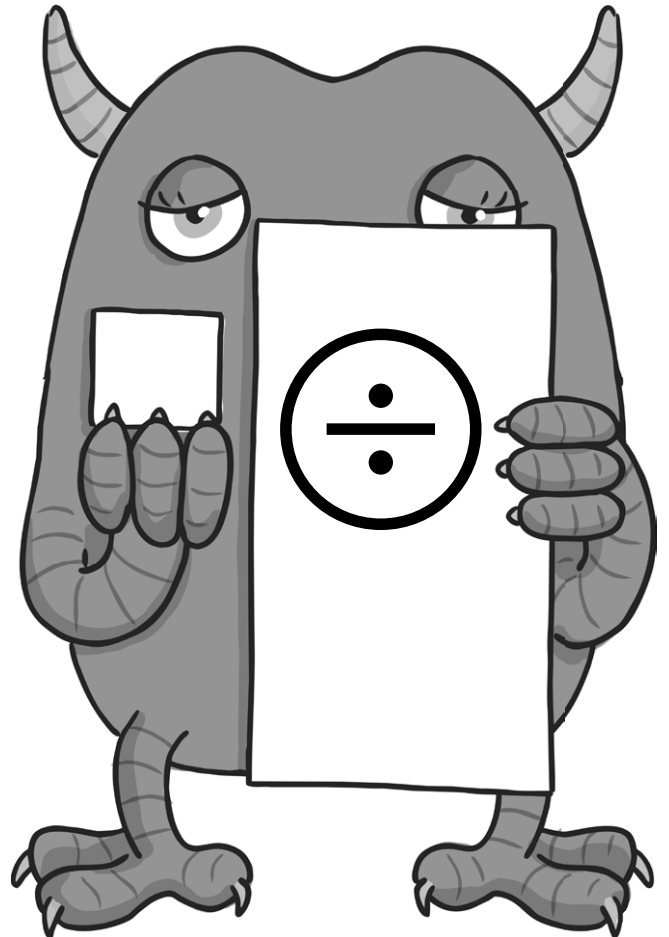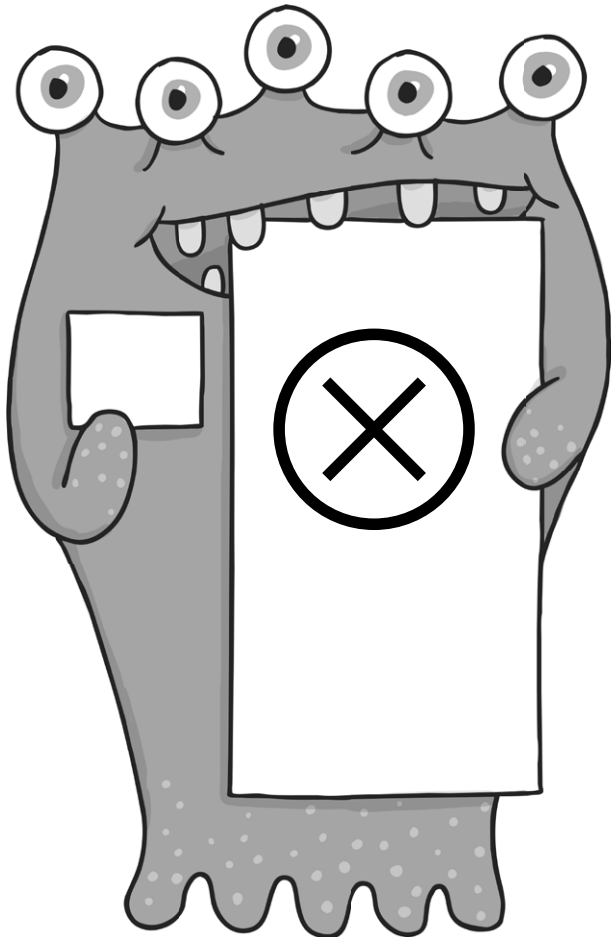# Year 1 Maths Multiplication and Division Workbook

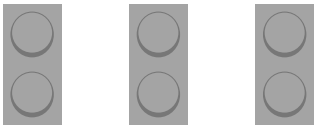# Year 1 Maths Multiplication and Division Workbook

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?
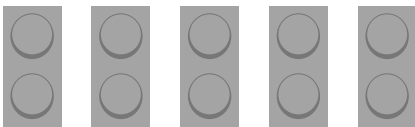
1. 2 + 2 + 2 = ☐   3 x 2 = ☐
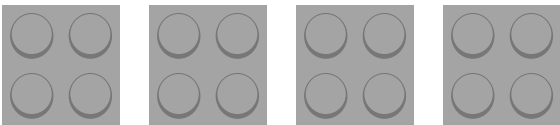
2. 4 + 4 = ☐   2 x 4 = ☐

3. 3 + 3 = ☐   2 x 3 = ☐

4. 3 + 3 + 3 = ☐   3 x 3 = ☐
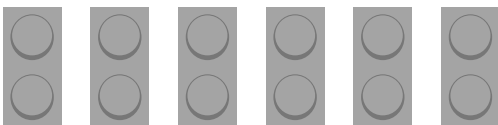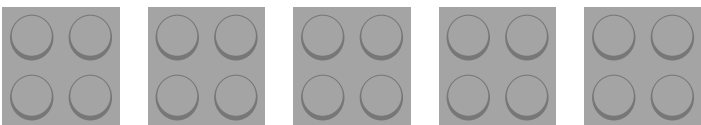
5. 1 + 1 + 1 + 1 = ☐   4 x 1 = ☐

6. 2 + 2 + 2 + 2 + 2 = ☐   5 x 2 = ☐

7. 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 = ☐   8 x 1 = ☐

8. 4 + 4 + 4 + 4 = ☐   4 x 4 = ☐

9. 2 + 2 + 2 + 2 + 2 + 2 = ☐   6 x 2 = ☐

10. 4 + 4 + 4 + 4 + 4 = ☐   5 x 4 = ☐

Multiply by 3 on a Number Line

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15
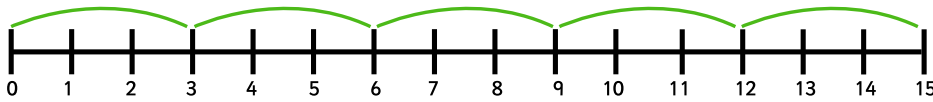
5 x 3 means do 5 jumps of 3 = 15

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

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 (21)

0 1 2 3 4 5 6 7 8 9 10 11 (12)

0 1 2 3 4 5 6 7 8 (9)
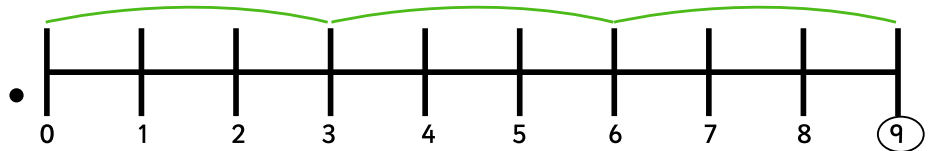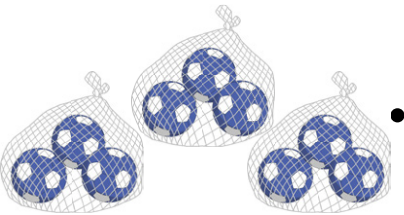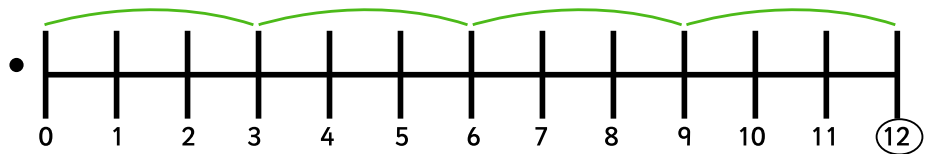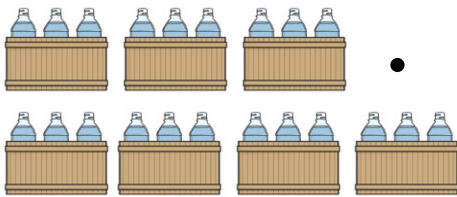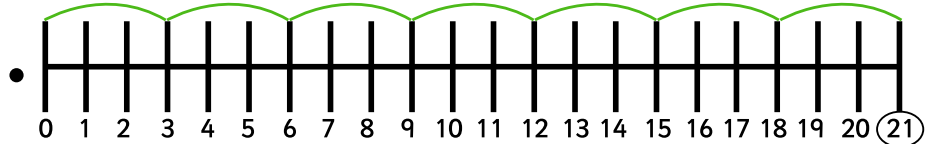
2. Can you draw jumps of 3 on the number line for the following?

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24
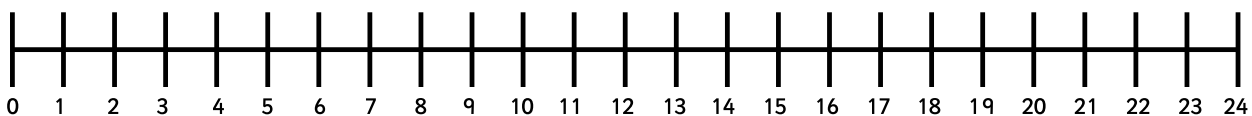
3. How many 3s are in 24? Can you draw the jumps?

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25
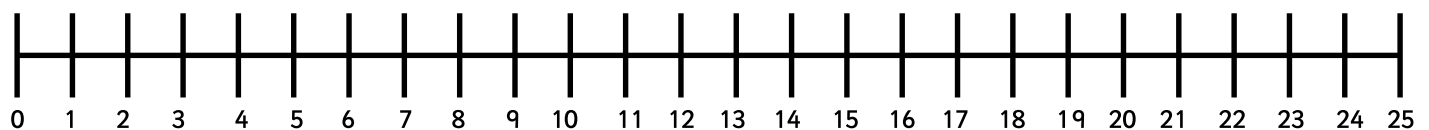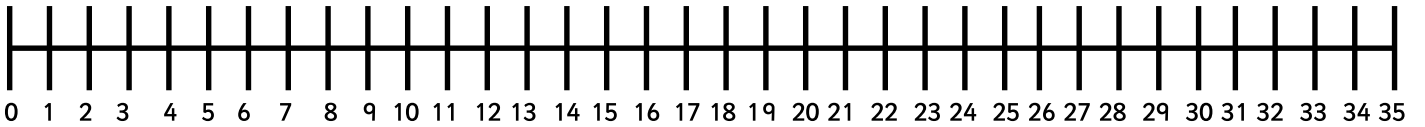
4. What are 6 lots of 3? Can you draw the jumps?

```
0  1  2  3  4  5  6  7  8  9  10  11  12  13  14  15  16  17  18  19  20  21  22  23  24  25
```
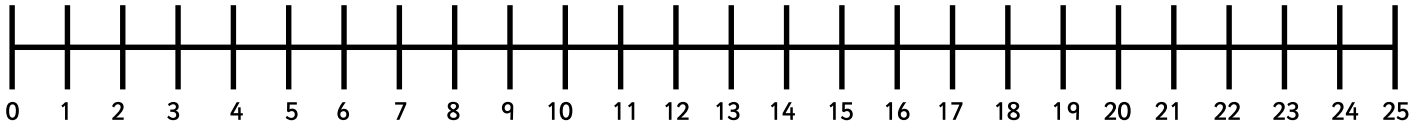
5. Aliens have 3 eyes. There are 11 aliens. How many eyes are there altogether?

```
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35
```

Multiplication as Repeated Addition

One ostrich has two legs.	2	1 x 2 = 2
How many legs do 2 ostriches have?	2 + 2 =	2 x 2 =
How many legs do 3 ostriches have?	2 + 2 + 2 =	3 x 2 =
How many legs do 4 ostriches have?	__ + __ + __ + __ =	4 x 2 =
How many legs do 5 ostriches have?		5 x 2 =
One lemur has 4 legs.	4	1 x 4 =
How many legs do 2 lemurs have?	4 + 4 =	2 x 4 =
How many legs do 3 lemurs have?	__ + __ + __ =	3 x 4 =
How many legs do 4 lemurs have?		4 x 4 =
How many legs do 5 lemurs have?		5 x 4 =

Division by Sharing

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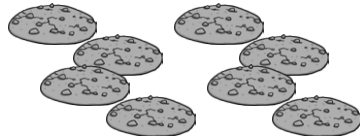
e.g.

Share between 3
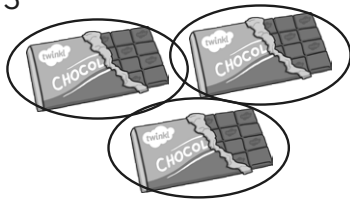
How many does each person get?

What does the calculation look like?

① 2 3 4 5   3 ÷ 3 = 1

	How many does each person get?				What does the calculation look like?
1. Share between 2	2	3	4	5		8 ÷ 2 =
2. Share between 4	2	3	4	5		12 ÷ 4 =
3. Share between 3	2	3	4	5		12 ÷ 3 =
4. Share between 5	2	3	4	5		10 ÷ 5 =
5. Share between 2	2	3	4	5		10 ÷ 2 =
6. Share between 4	2	3	4	5		16 ÷ 4 =
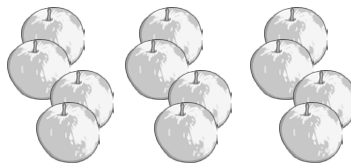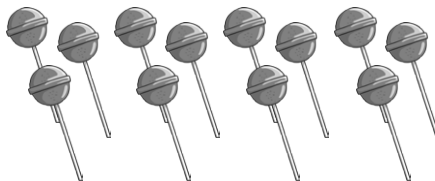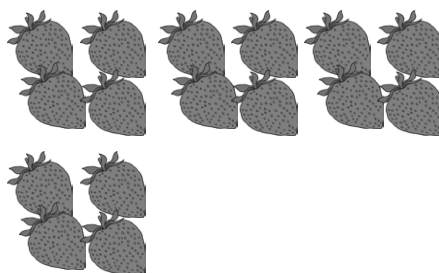
Representing Division

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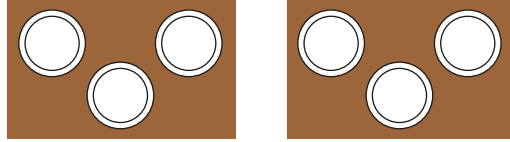

$6 \div 2 = 3$

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?

$9 \div 3 =$

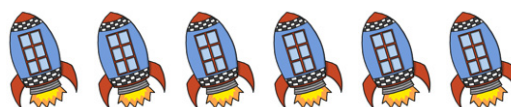**4.** Dan has 15 arrows. He shoots at each target in turn. How many times does he hit each target?

$15 \div 5 =$

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?

$18 \div 6 =$