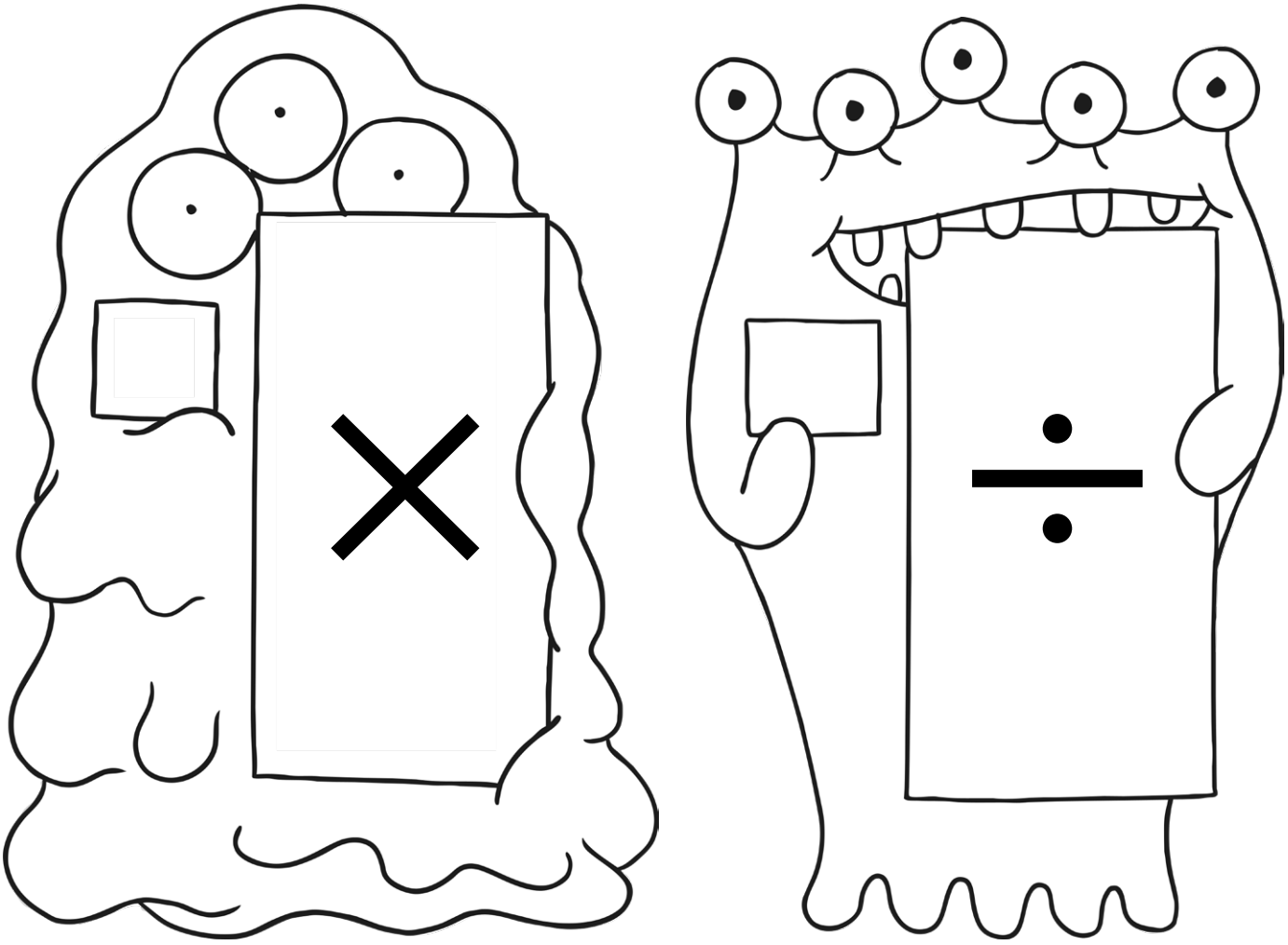
Y2 Maths

Multiplication and Division



Workbook

www.twinkl.co.uk

Year 2 Maths:
Workbook Pack

Year 2 Programme of Study: Multiplication and Division

Statutory Requirements	Worksheet	Page Number	Notes
Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers.	2 Times Table	3	
	5 Times Table	4	
	10 Times Table	5	
	Dividing by 2 Race	6	
	Dividing by 5 Race	7	
	Dividing by 10 Race	8	
	Recognising Odd and Even Numbers	9	
Calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (×), division (÷) and equals (=) signs.	Writing Multiplication and Division Statements	10	
Show that multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot.	Triangle Statements	11 - 13	
	Match the Multiplication	14	
	Multiplication Triangles	15 - 16	
Solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts.	Multiplication 2, 5, 10 Times Table	17 - 19	
	Year 2 Multiplication and Division Word Problems ×2, ×5, ×10	20	
	Multiplication on a Number Line ×2	21 - 22	
	Multiplication on a Number Line ×5	23 - 24	
	Multiplication Building Blocks	25 - 26	

2 Times Table

Questions:

a. 1 × 2 = _____ **b.** 2 × 2 = _____ **c.** 3 × 2 = _____

d. 4 × 2 = _____ **e.** 5 × 2 = _____ **f.** 6 × 2 = _____

g. 7 × 2 = _____ **h.** 8 x 2 = _____ **i.** 9 × 2 = _____

j. 10 × 2 = _____ **k.** 11 × 2 = _____ **l.** 12 × 2 = _____

Count in 2s and colour in the grid:

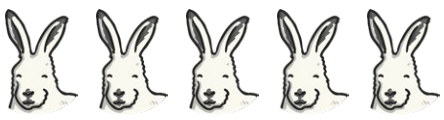
1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20
21	22	23	24	25

How many ears are there?

_____ × _____ = _____

_____ × _____ = _____

_____ × _____ = _____



_____ × _____ = _____

5 Times Table

Questions:

a. 2 × 5 = _____

b. 3 × 5 = _____

c. 4 × 5 = _____

d. 5 × 5 = _____

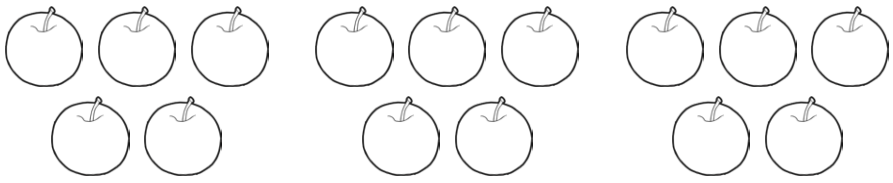
e. 6 × 5 = _____

f. 7 x 5 = _____

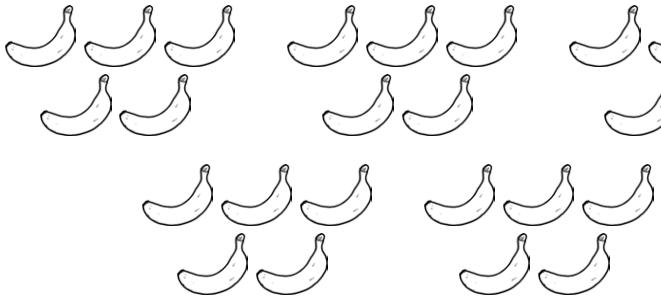
Count in 5s and colour in the grid:

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	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

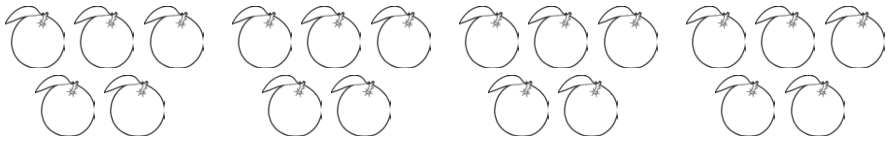
How many of each?



_____ × _____ = _____



_____ × _____ = _____



_____ × _____ = _____

10 Times Table

Questions:

a. 2 × 10 = _____

b. 3 × 10 = _____

c. 4 × 10 = _____

d. 5 × 10 = _____

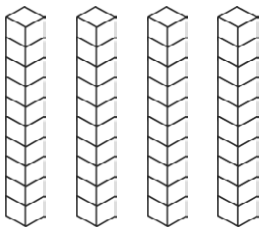
e. 6 × 10 = _____

f. 7 × 10 = _____

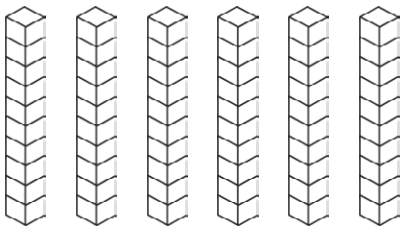
Count in 10s and colour in the grid:

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	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

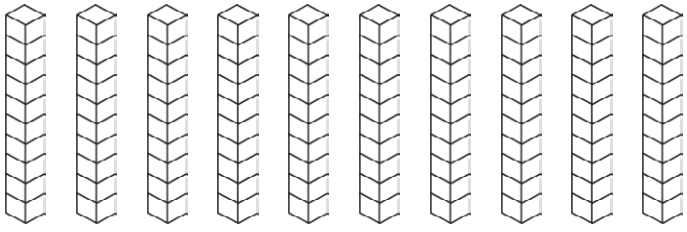
How many of each? There are 10 cubes in each stack.



_____ × _____ = _____

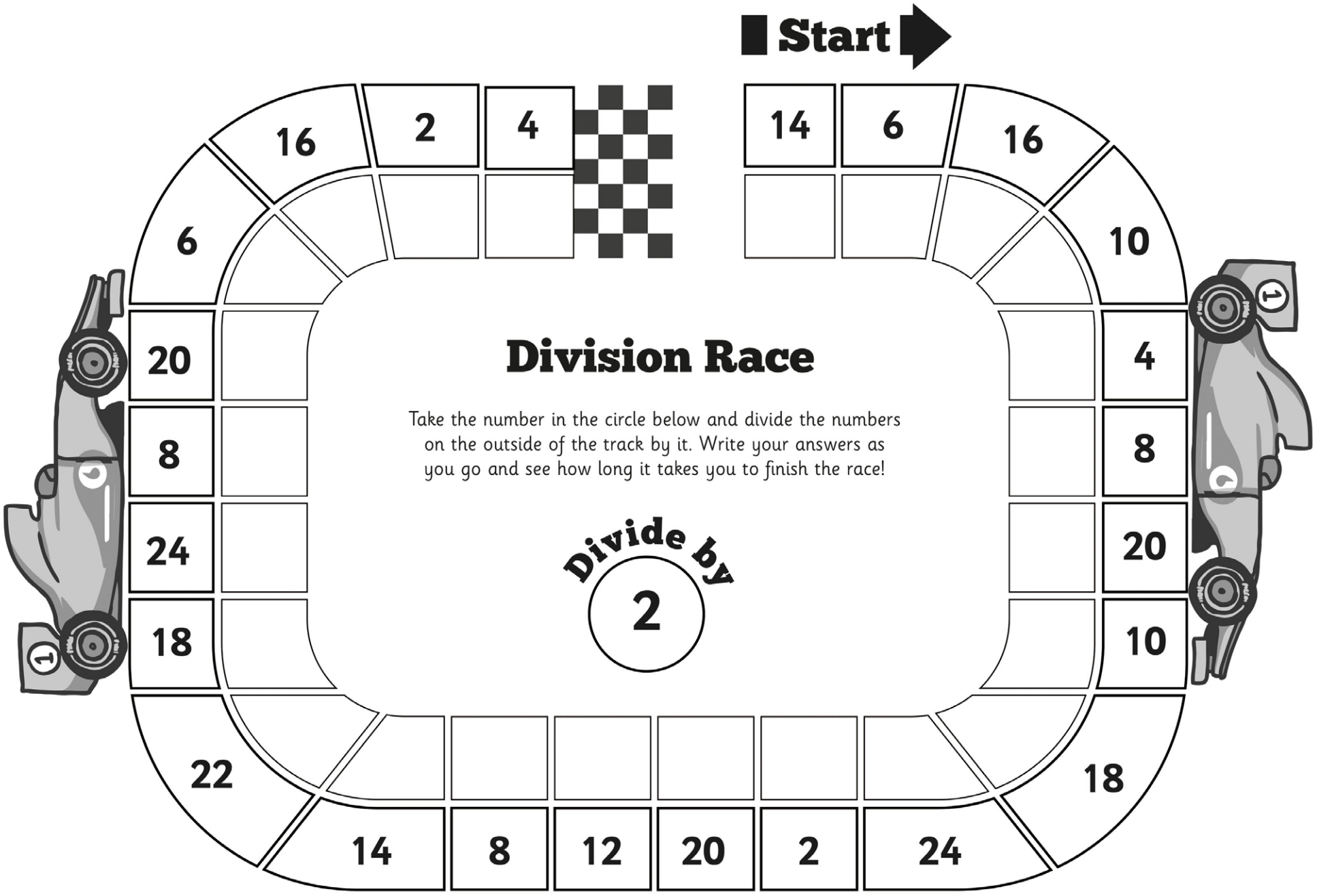


_____ × _____ = _____

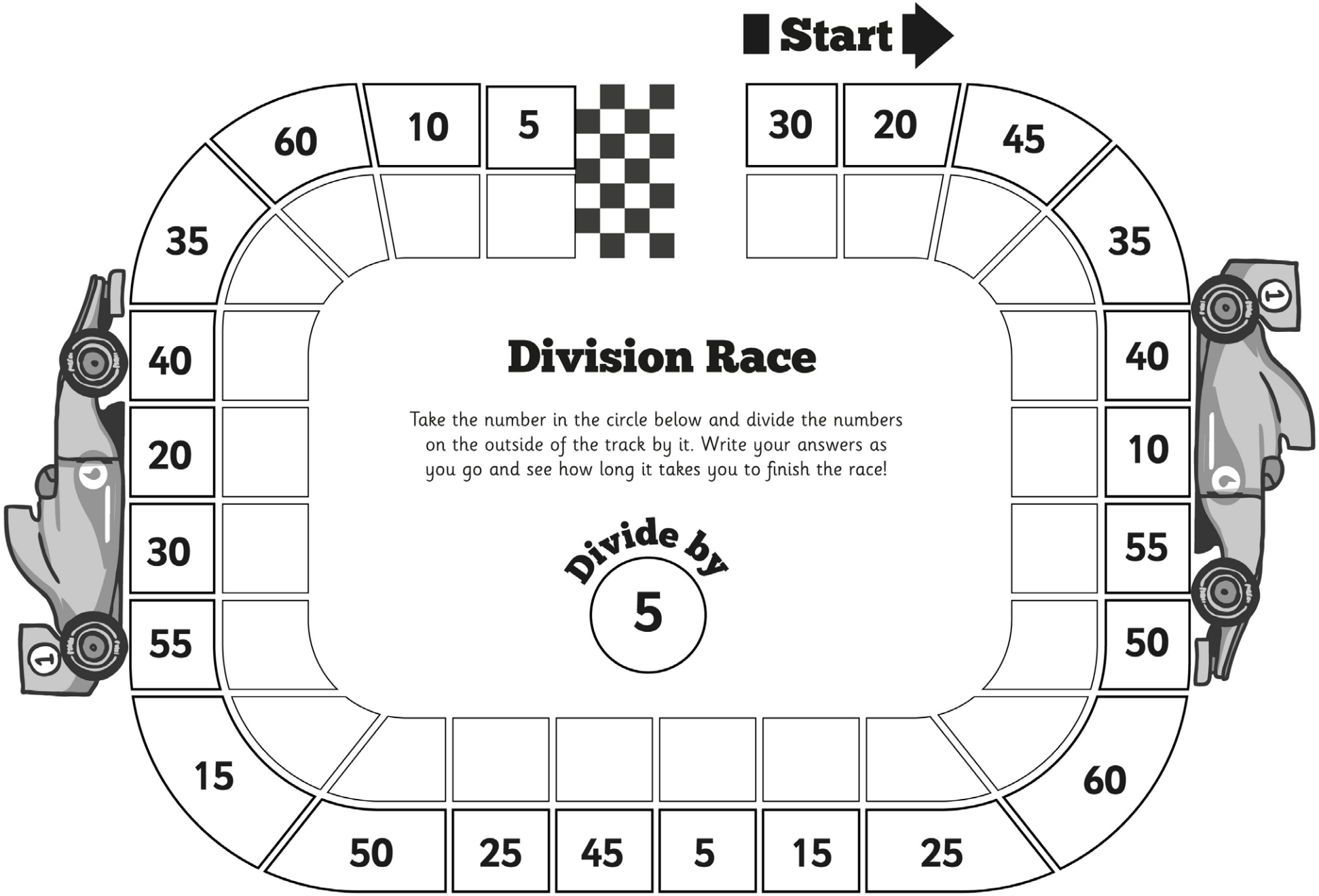


_____ × _____ = _____

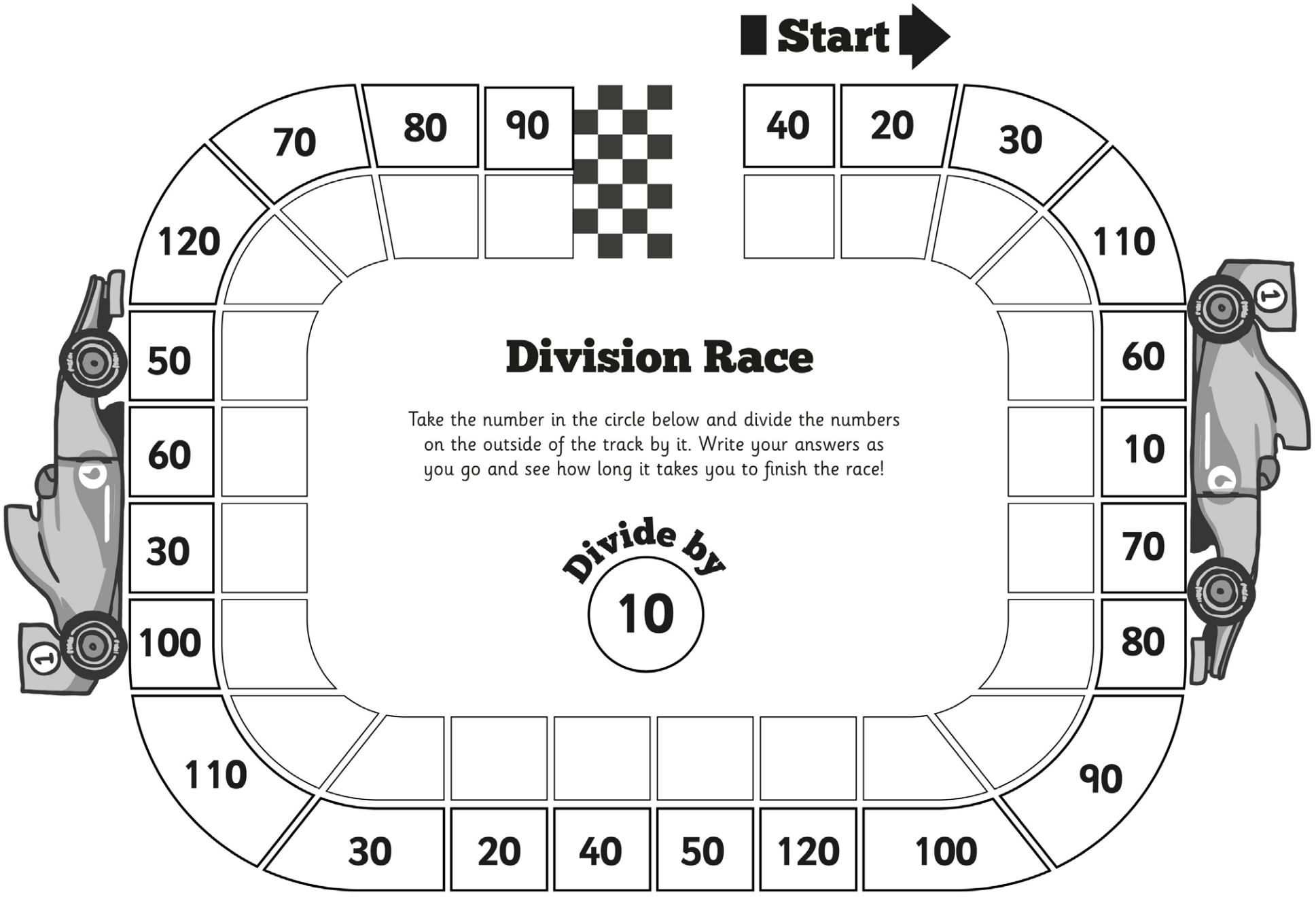
Division by 2 Race



Division by 5 Race

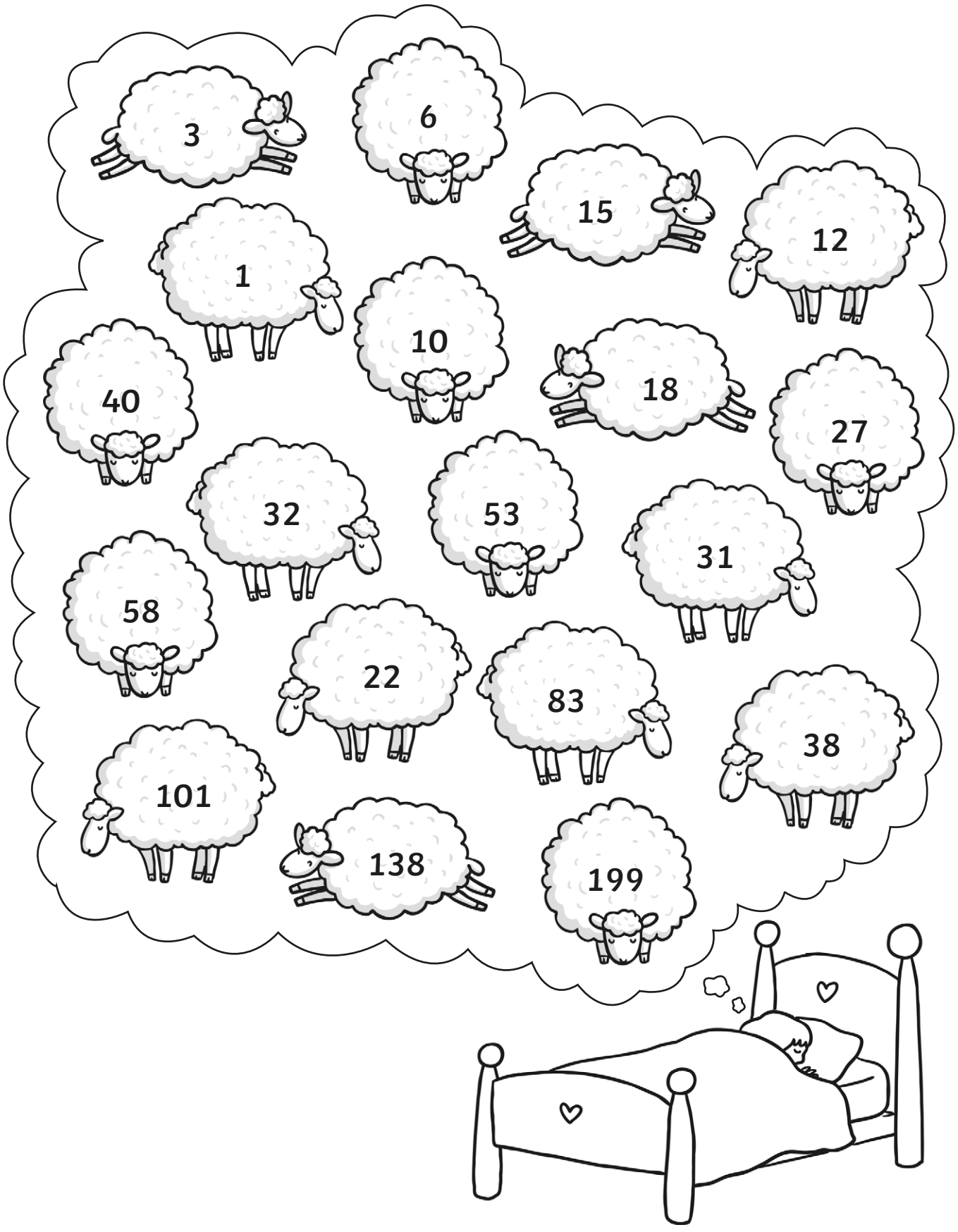


Division by 10 Race



Recognising Odd and Even Numbers

Look at the sheep being counted below – colour in the odd numbered sheep (ending in 1, 3, 5, 7 or 9) blue and the even numbered sheep (ending in 2, 4, 6, 8 or 0) red.

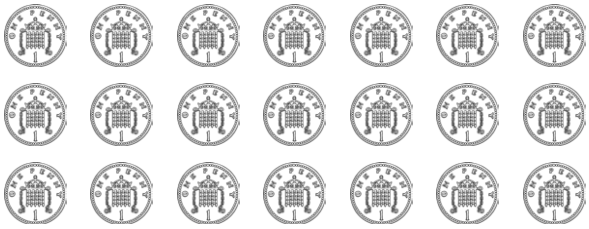


Writing Multiplication and Division Statements

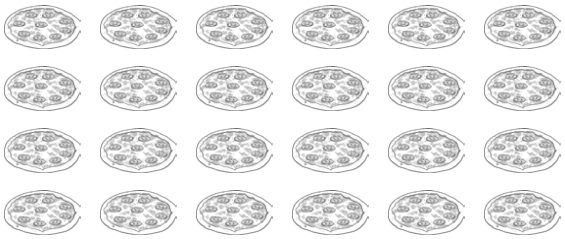
Write two multiplication statements and two division statements to match each array. Using two different colours for grouping may help you keep your thinking clear.

e.g.

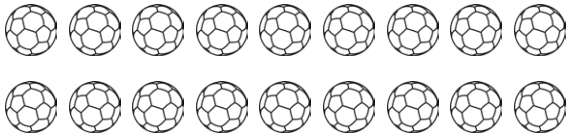
x	2 × 6 = 12	6 × 2 = 12
÷	12 ÷ 2 = 6	12 ÷ 6 = 2



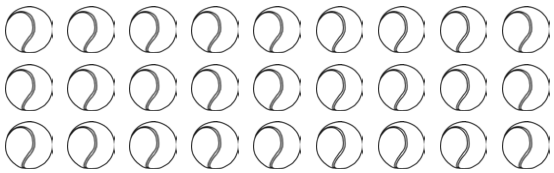
×		
÷		



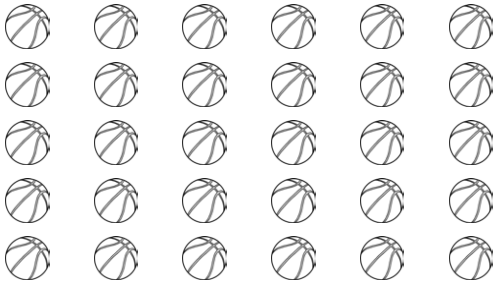
×		
÷		



×		
÷		



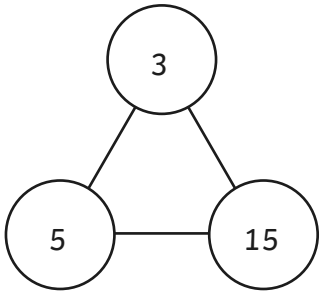
×		
÷		



×		
÷		

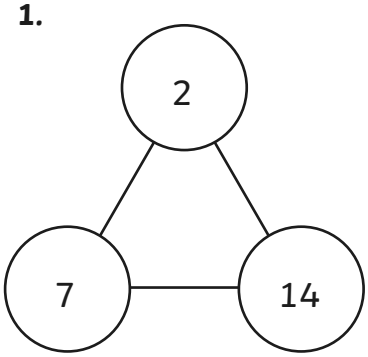
Triangle Statements

Multiplication can be done in any order but division cannot. Can you use the numbers in each triangle to make 2 multiplication calculations that are correct and 2 division calculations that are correct? Can you also identify any division calculations that are incorrect? Use a tick to show your correct calculations, and a cross to show those that are incorrect. An example has been done for you.



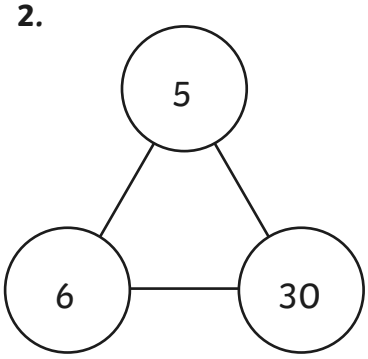
Multiplication ✓	3 × 5 = 15
Multiplication ✓	5 × 3 = 15
Division ✓	15 ÷ 3 = 5
Division ✓	15 ÷ 5 = 3
Division ✗	5 ÷ 15 = 3
Division ✗	3 ÷ 15 = 5

1.



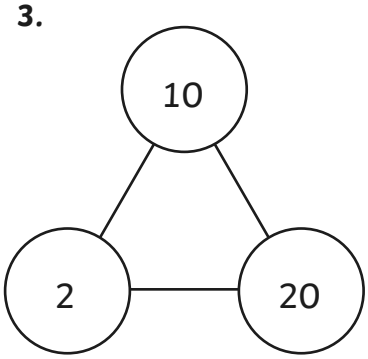
Multiplication	
Multiplication	
Division	
Division	
Division	
Division	

2.



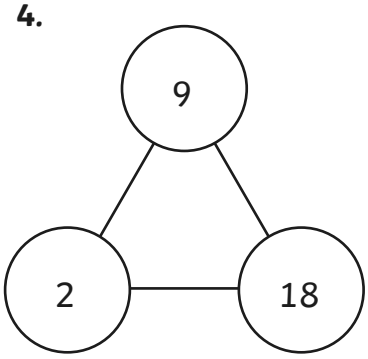
Multiplication	
Multiplication	
Division	
Division	
Division	
Division	

3.



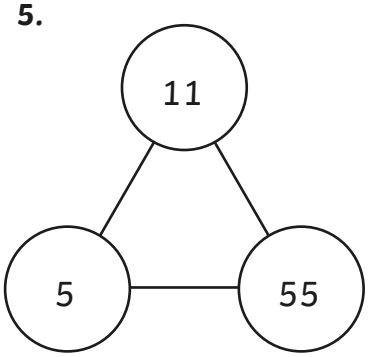
Multiplication	
Multiplication	
Division	
Division	
Division	
Division	

4.



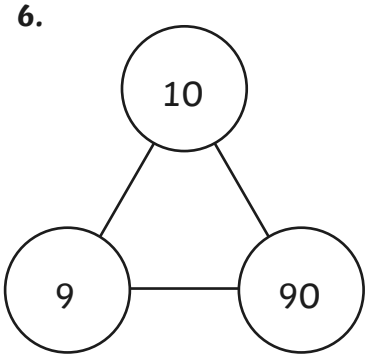
Multiplication	
Multiplication	
Division	
Division	
Division	
Division	

5.



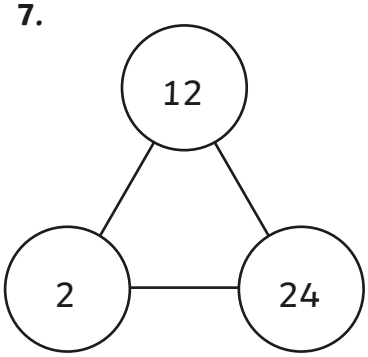
Multiplication	
Multiplication	
Division	
Division	
Division	
Division	

6.



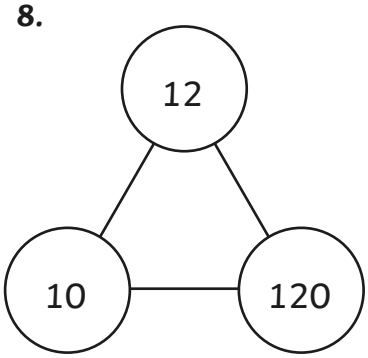
Multiplication	
Multiplication	
Division	
Division	
Division	
Division	

7.



Multiplication	
Multiplication	
Division	
Division	
Division	
Division	

8.



Multiplication	
Multiplication	
Division	
Division	
Division	
Division	

Match the Multiplication

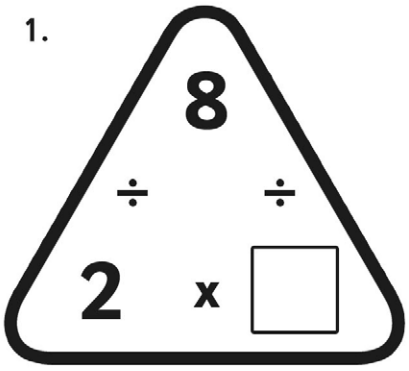
Write the alternative number sentences for these multiplications.

3 × 5 = 15	or	____ × ____ = 15
10 × 2 = 20	or	____ × ____ = 20
9 × 10 = 90	or	____ × ____ = 90
7 × 5 = 35	or	____ × ____ = 35
6 × 2 = ____	or	____ × ____ = ____
2 × 8 = ____	or	____ × ____ = ____
10 × 5 = ____	or	____ × ____ = ____
5 × 5 = ____	or	____ × ____ = ____

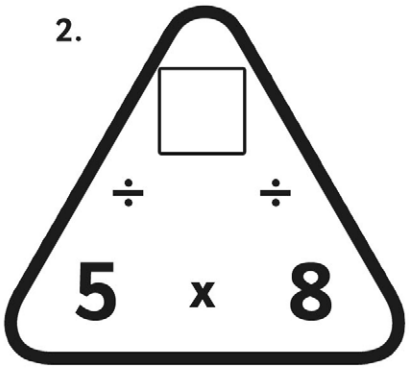
Multiplication Triangles Sheet 1

Fill in the blanks in these multiplication triangles.

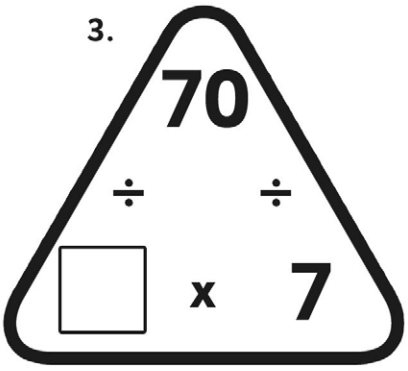
1.



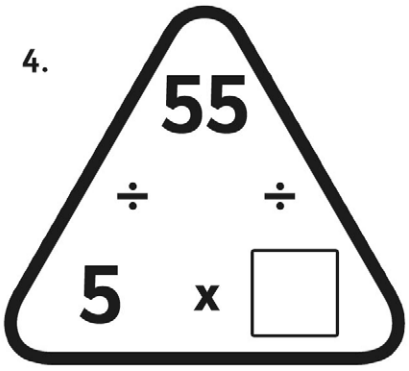
2.



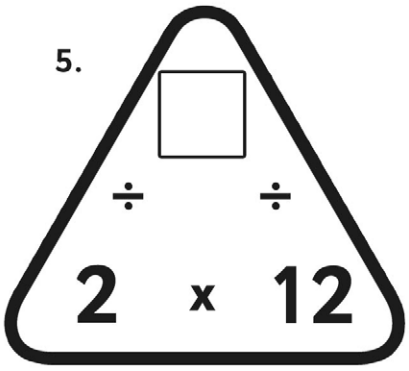
3.



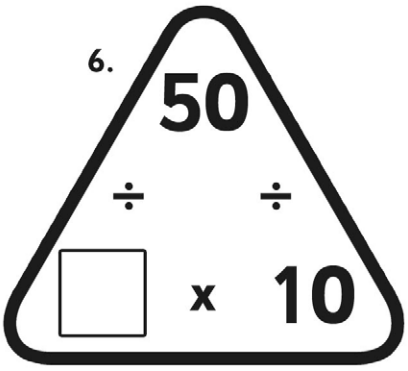
4.



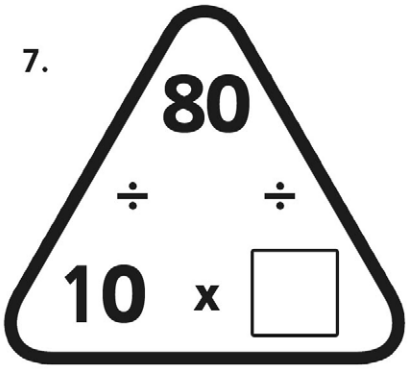
5.



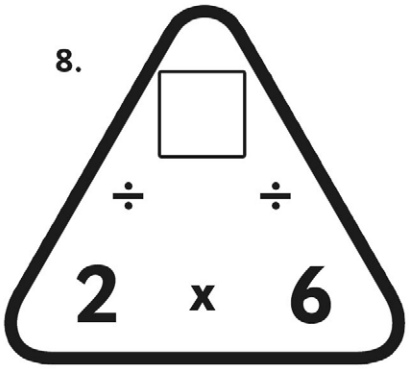
6.



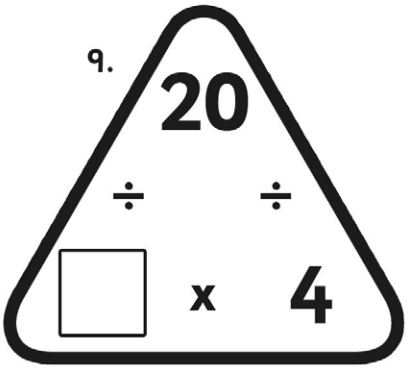
7.



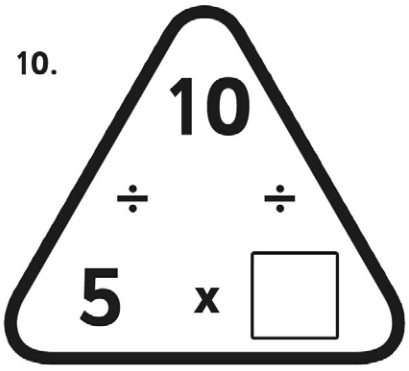
8.



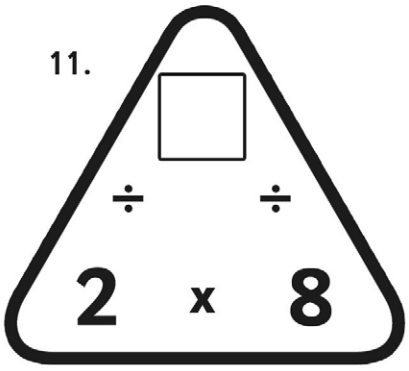
9.



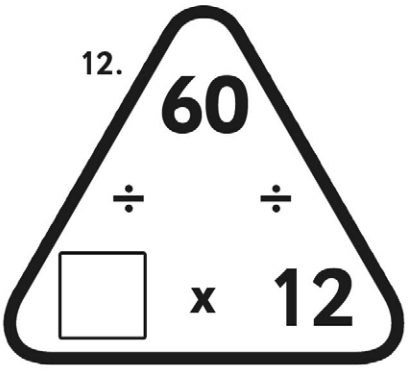
10.



11.



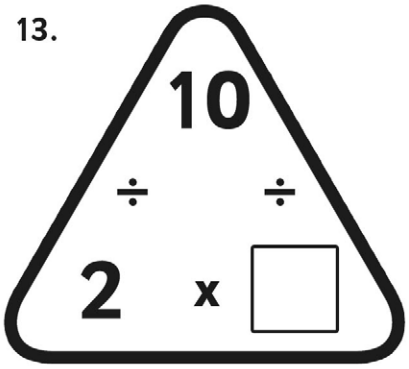
12.



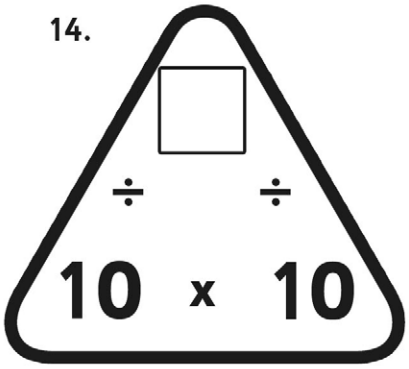
Multiplication Triangles Sheet 2

Fill in the blanks in these multiplication triangles.

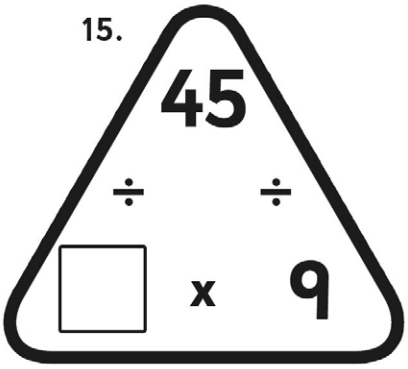
13.



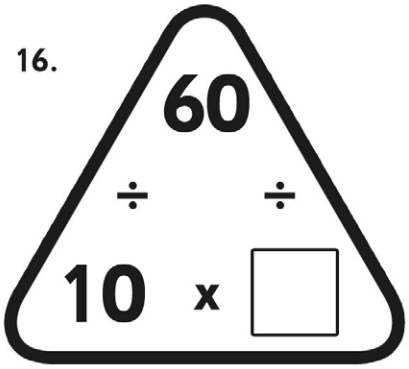
14.



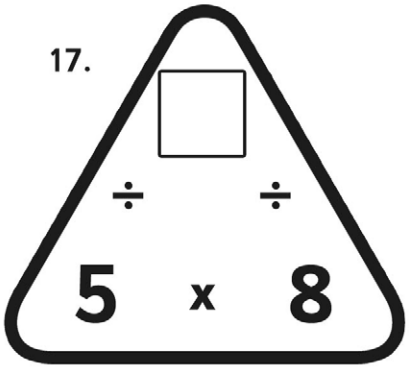
15.



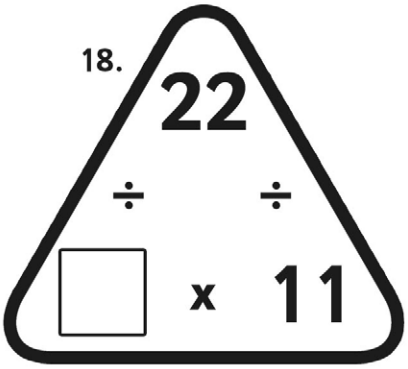
16.



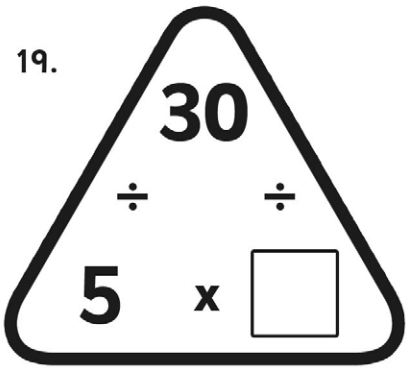
17.



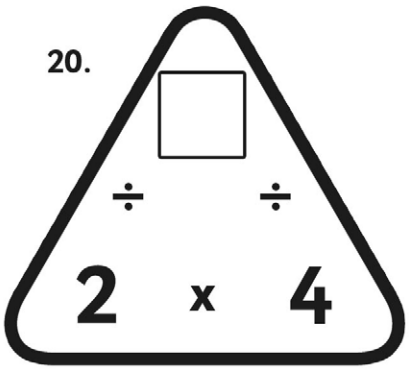
18.



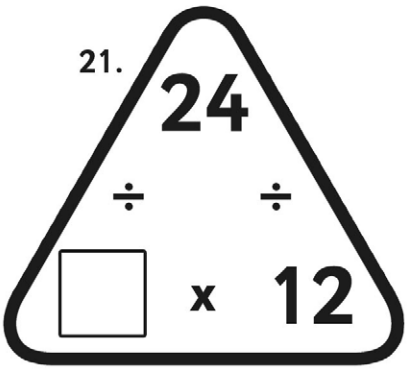
19.



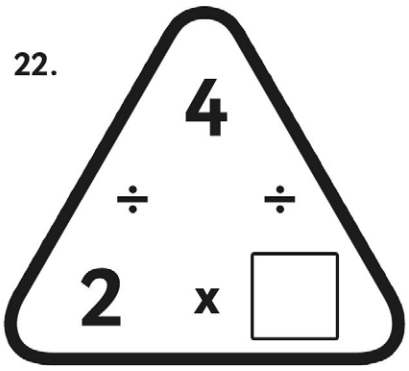
20.



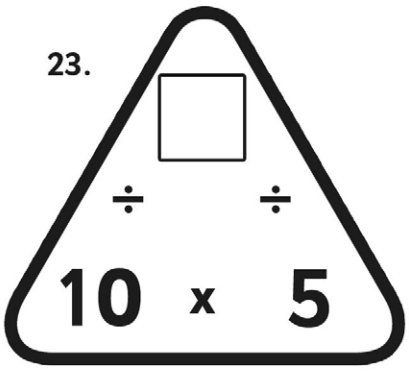
21.



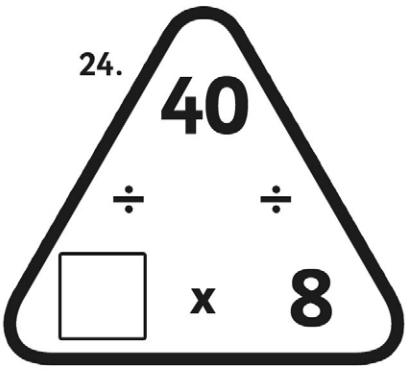
22.



23.



24.



Multiplication 2 Times Table

Complete the table below.

Factors	2 × 5	2 × 7	2 × 9	2 × 10
Product				
Repeated Addition				
Commutative Property				
Array				
Groups				

Multiplication 5 Times Table

Complete the table below.

Factors	5 × 7	5 × 5	5 × 11	5 × 2
Product				
Repeated Addition				
Commutative Property				
Array				
Groups				

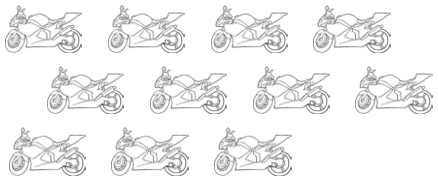
Multiplication 10 Times Table

Complete the table below.

Factors	10 × 3	10 × 7	10 × 10	10 × 11
Product				
Repeated Addition				
Commutative Property				
Array				
Groups				

Year 2 Multiplication and Division Word Problems ×2, ×5, ×10

1. How many wheels would 11 motorbikes have?



2. If 7 taxis arrive at the party at the same time, each carrying 5 passengers, how many guests arrive at once?

3. While playing a dice game, Robert managed to throw nine 5s in a row. How many did he score altogether?

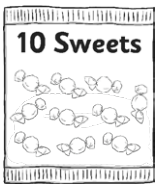
4. All four judges gave the dancer a score of 10. How many did she score altogether?

5. 12 people came to the show and they each paid £5. How much were the ticket sales altogether?

6. On a wet day, the teacher finds 32 wellies. How many children will be able to wear one on each foot?

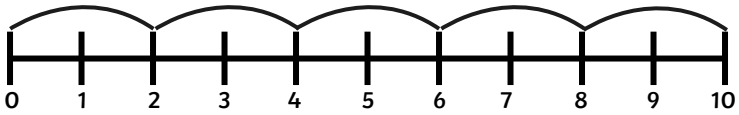
7. Sam is sharing biscuits between himself and his four brothers. If there are 25 in the pack how many will they each get?

8. A machine making sweets puts 10 in each packet. If the machine has produced 70 sweets, how many packets can it fill?



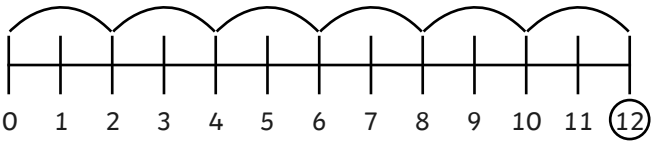
9. Carol gives half of her owl collection to her sister. She has 35 owls remaining. How many did she have to start with?

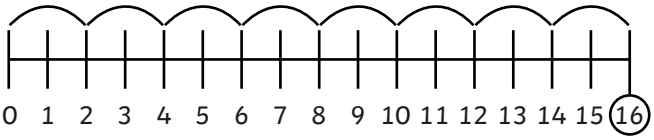
Multiplication on a Number Line x 2

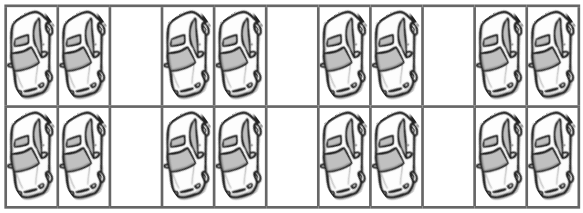


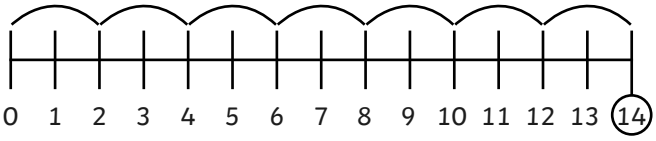
5 × 2 means do 5 jumps of 2 = 10

1. Can you match the picture to the number line with the matching jumps?

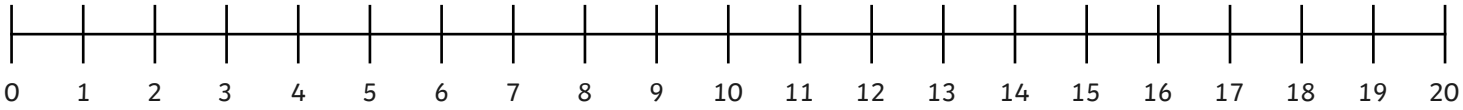


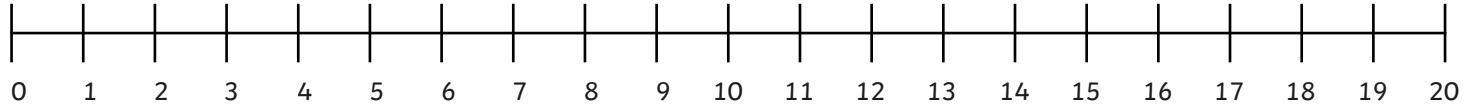




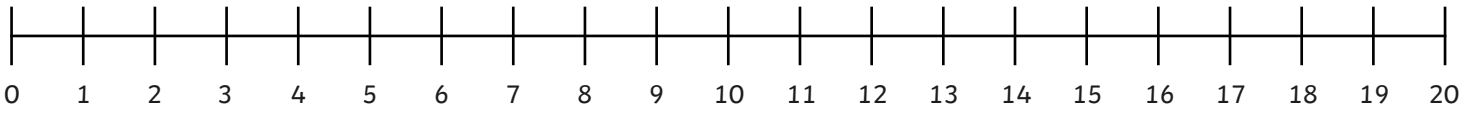


2. Can you draw jumps of 2 on the number line for the following pictures?

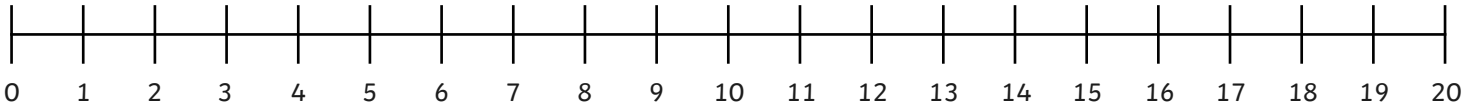




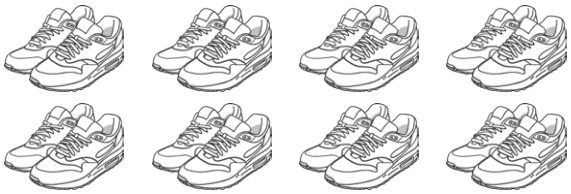
3. How many 2s are in 20? Can you draw the jumps?

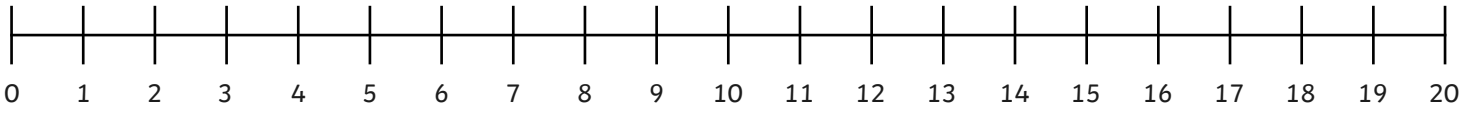


4. What are 6 lots of 2? Can you draw the jumps?

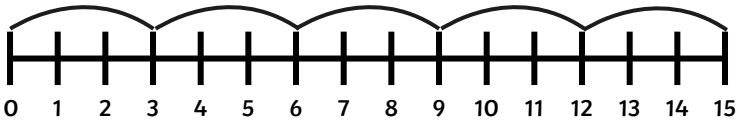


5. I can see 8 pairs of shoes. How many shoes can I see altogether?



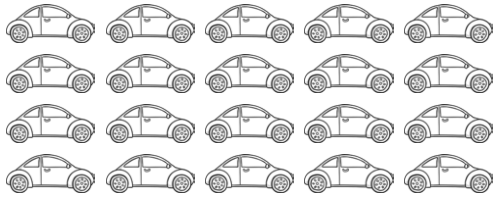


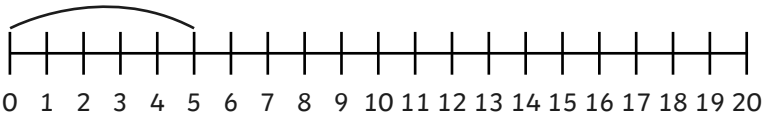
Multiplication on a Number Line x 5

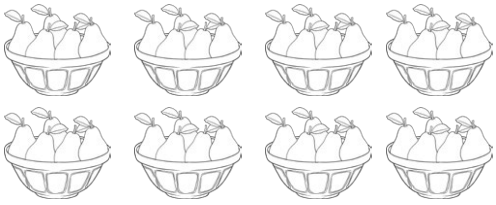


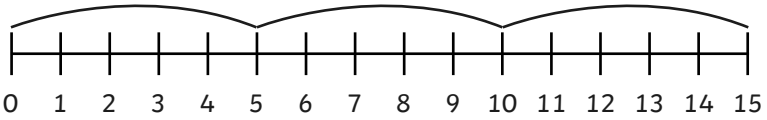
3 × 5 means do 3 jumps of 5 = 15

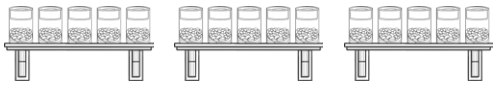
1. Join the dots to match the pictures to the number lines.

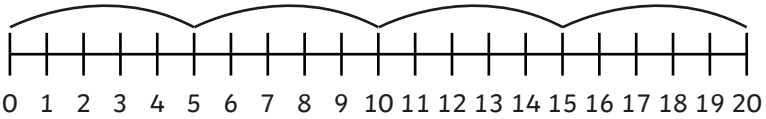


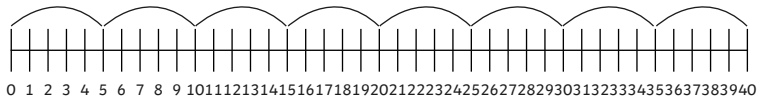




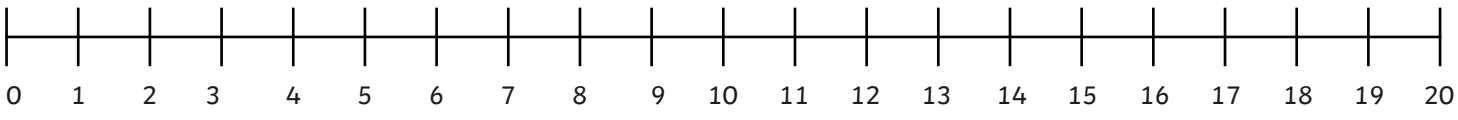


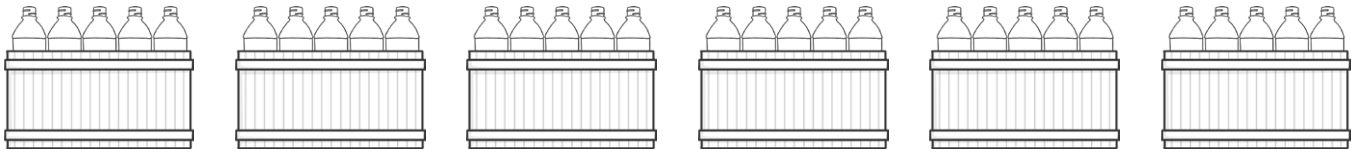


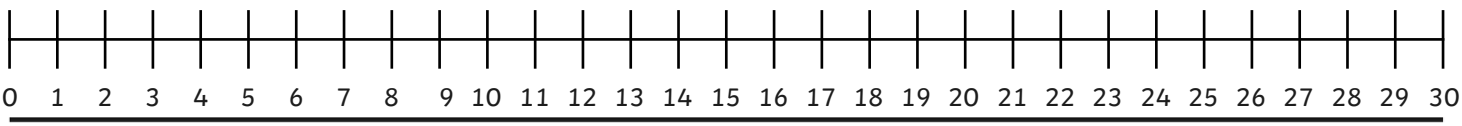




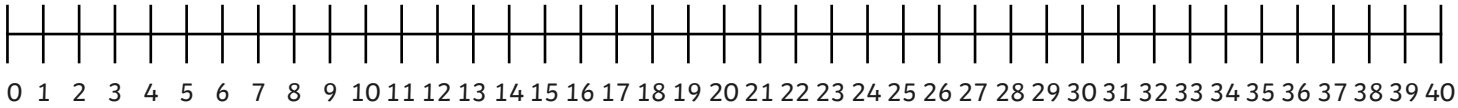
2. Can you draw jumps of 5 on the number line for the following pictures?



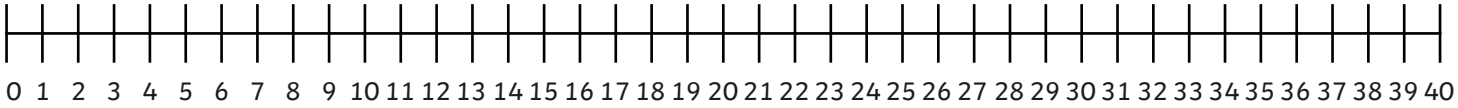




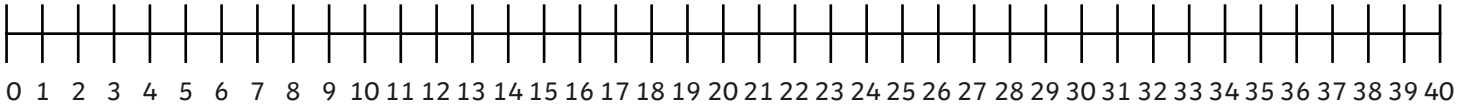
3. How many 5s are in 25? Can you draw the jumps?



4. What are 7 lots of 5? Can you draw the jumps?



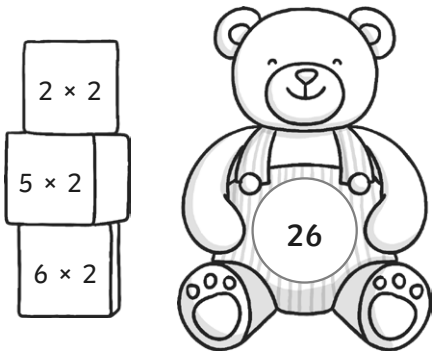
5. I have 6 bags of sweets. There are 5 sweets in each bag. How many sweets do I have altogether?



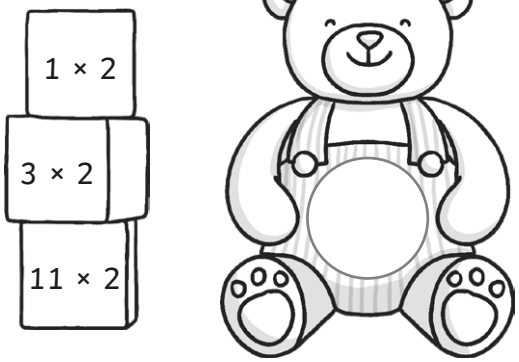
Multiplication Building Blocks

Add the totals of the multiplications on each pile of blocks together and write the answer on the bear.

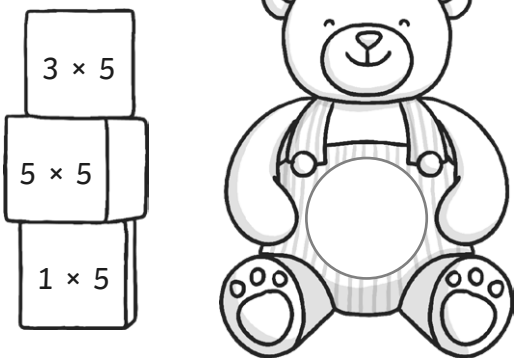
e.g.



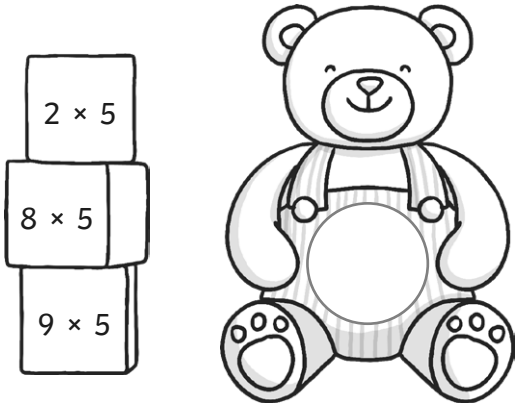
1.



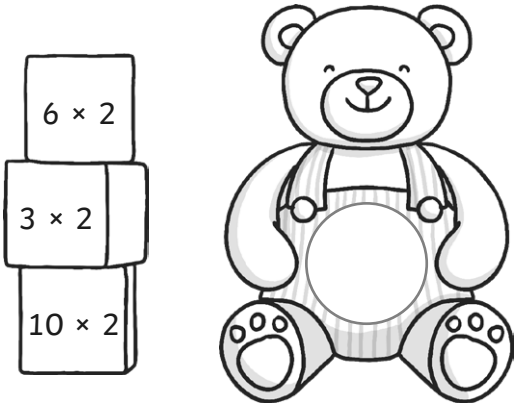
2.



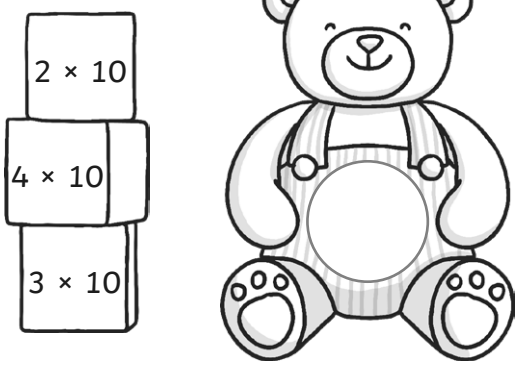
3.



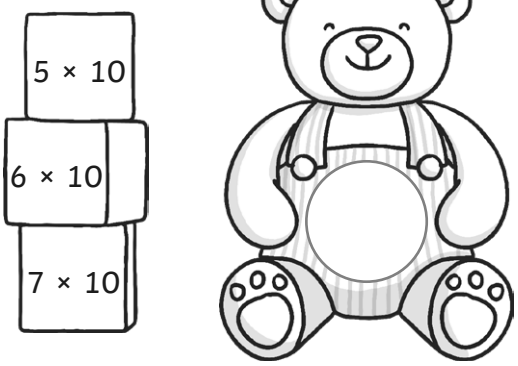
4.



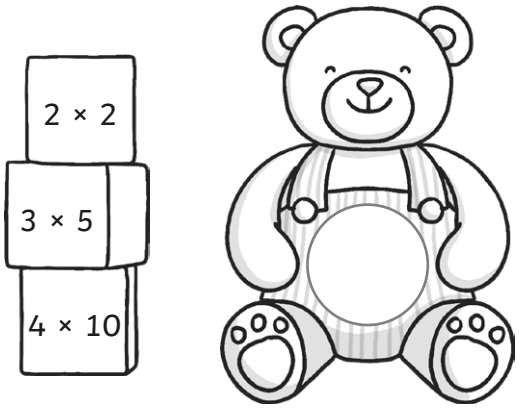
5.



6.



7.



8.