Year 2—Multiplication and division

10 times table

Challenge 1: Use the picture to help you fill in the missing details.

How many cookies are there?

6 × 10 = 60

There are 60 cookies.

Challenge 2 : Fill in the missing details in the multiplication bar models.

Complete the multiplication fact to match the bar model.

a)

40			
10	10	10	10

4 × 10 = 40

b)

70						
10	10	10	10	10	10	10

7 × 10 = 70

c)

100									
10	10	10	10	10	10	10	10	10	10

10 × 10 = 100

Draw a bar model to represent 5 × 10

50				
10	10	10	10	10

Challenge 3 : Use your super knowledge of the 5 times table to fill in the missing numbers.

Complete the number sentences.

a) 2 × 10 = 20

b) 70 = 7 × 10

c) 10 × 4 = 40

d) 10 × 11 = 110

e) 80 = 8 × 10

f) 100 = 10 × 10

g) 10 × 1 = 10

h) 10 × 0 = 0

i) 30 = 10 × 3

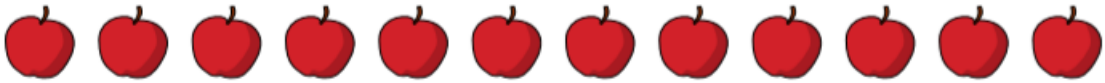
j) 9 × 10 = 90

Year 2—Multiplication and division

Sharing

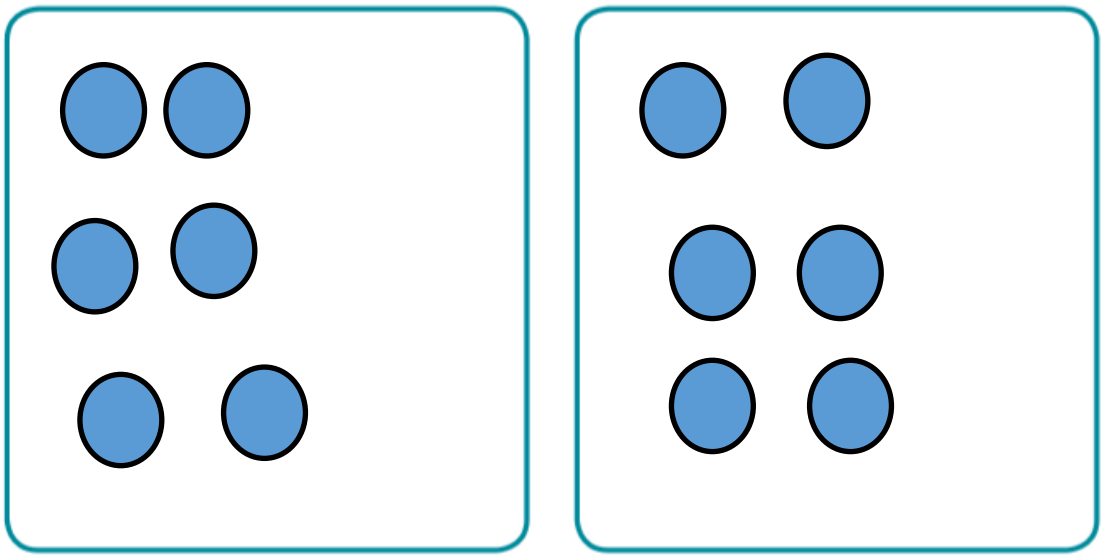
Challenge 1: Use the picture to help you fill in the missing details.

Annie has 12 apples.



She shares them equally into 2 boxes.

Show how Annie shares the apples equally.



Complete the sentences.

There are 12 apples.

There are [2] boxes.

There are [6] apples in each box.

Challenge 2: Use objects from around the house to help you share practically.

Take 20 objects

a) Share them into 2 equal groups.
Complete the sentences.

There are 20 objects

There are [2] groups.

There are [10] objects in each group.

b) Share the objects into 5 equal groups.
Complete the sentences.

There are 20 objects

There are [5] groups.

There are [4] objects in each group.

Challenge 3: Use the picture to fill in the missing details.

30 flowers are shared equally between 5 vases.

a) Complete the division.

[30] ÷ [5] = [6]

Challenge 4: Use your objects to share to find the answers the division sums and then use your answers to find the matching sentences.

5 Complete the divisions.

A $20 \div 5 =$ 4

B $20 \div 4 =$ 5

C $20 \div$ 10 $= 2$

D $20 \div 2 =$ 10

Write a letter in each box to match the divisions to the sentences.

Dora has 20 apples. She shares them equally between 4 boxes. B

Ron has 20 sweets. He shares them equally between some party bags. There are 2 sweets in each party bag. C

Dexter has 20 toy cars. He shares them equally between 5 boxes. A

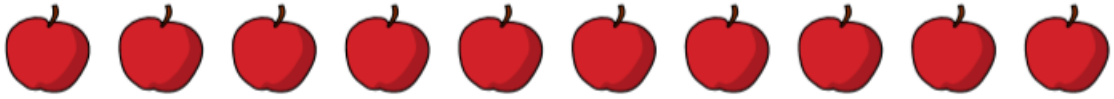
Whitney has 20 dolls. She shares them equally with her sister. D

Year 2—Multiplication and division

Grouping

Challenge 1: Use the picture to help you fill in the missing details.

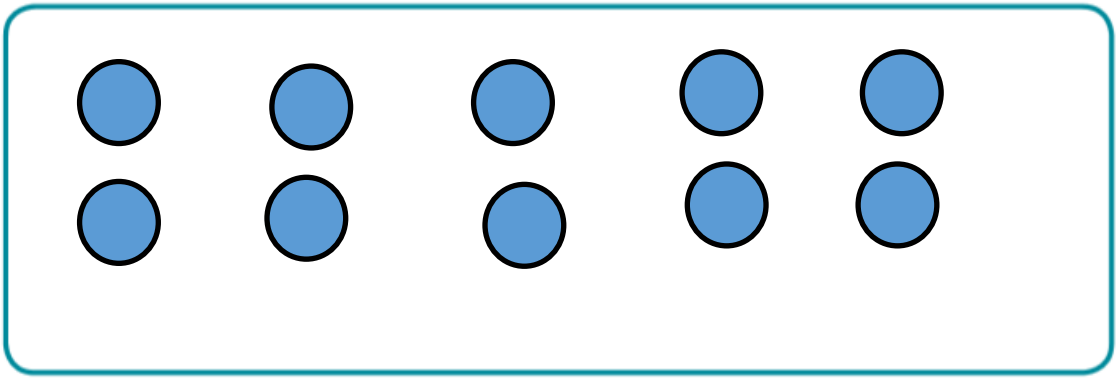
Annie has 10 apples.



Annie has some plates.

She wants to put 2 apples on each plate.

Show how Annie groups the apples.



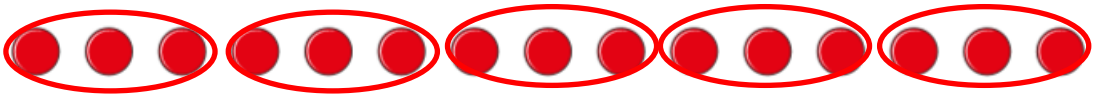
Complete the sentences.

There are [10] apples.

There are [2] apples on each plate.

There are [5] plates.

Take 15 counters.



Put the counters into groups of 3

Complete the sentences.

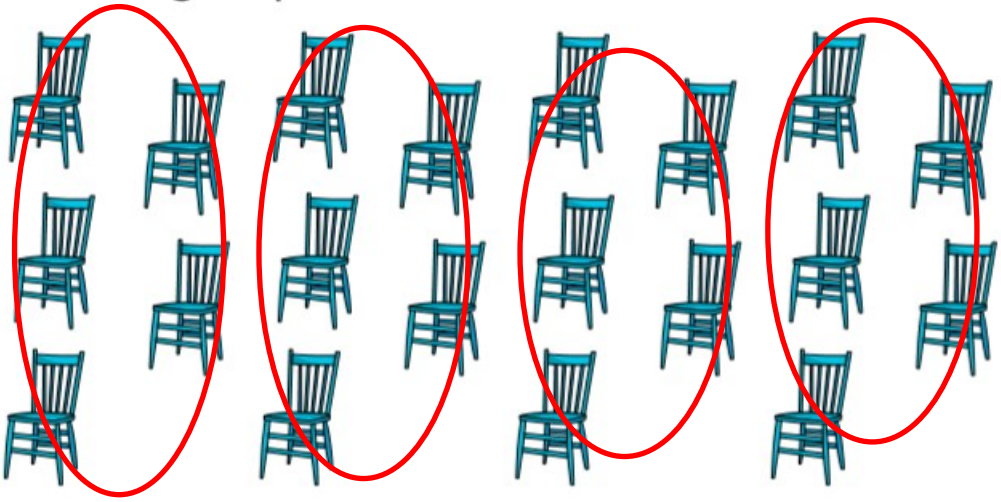
There are 15 counters.

The counters are in groups of [3]

There are [5] groups.

Mo has 20 chairs.

a) Circle groups of 5 chairs.



b) How many groups did you circle? [4]

c) Complete the number sentence.

[20] ÷ [5] = [4]

Eva is putting 24 pencils into pots.

She puts 2 pencils into each pot.

How many pots does Eva need?

24 ÷ 2 = 12

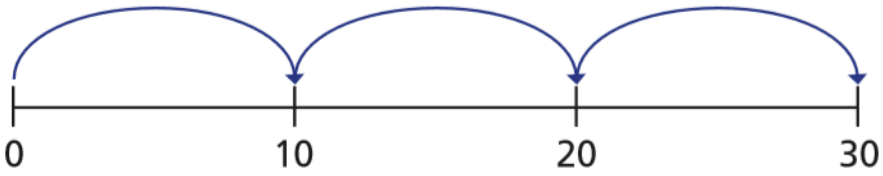
Eva needs 12 pots.

Challenge 3: Use the number lines to work out the missing information

Complete the number sentences.

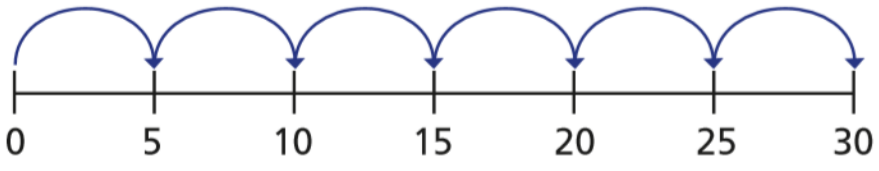
Use the number line to help you.

a) 30 ÷ 10 = 3



30 is made of 3 equal groups of 10

b) 30 ÷ 5 = ☐



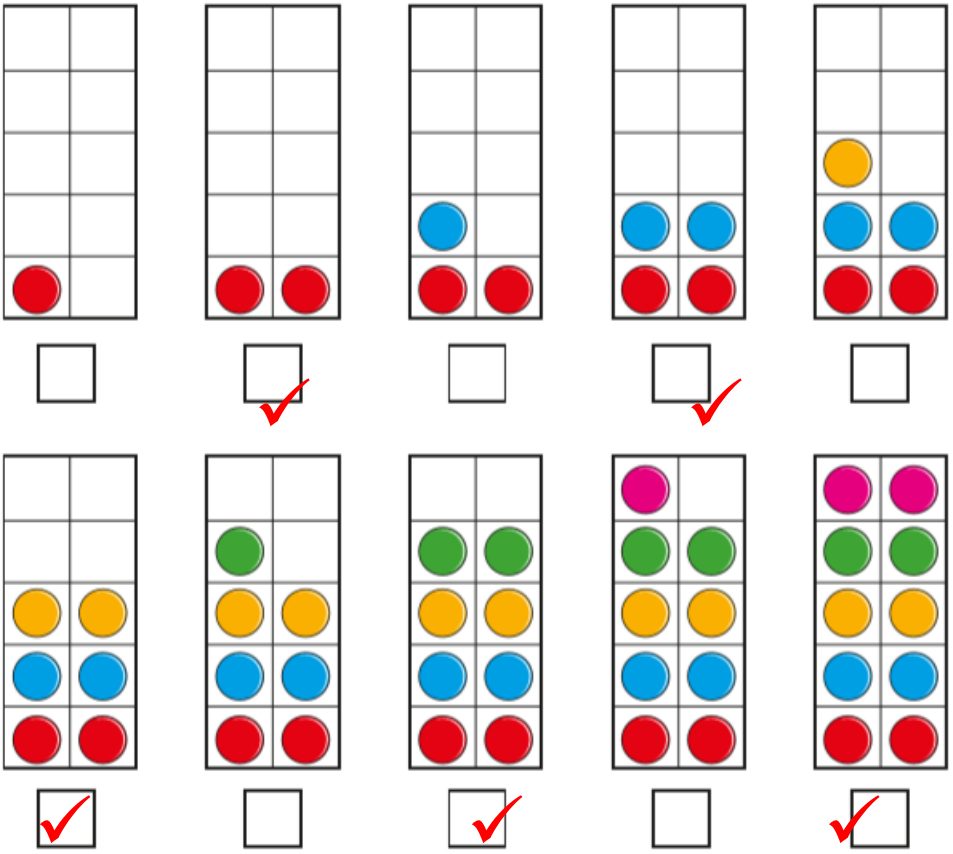
30 is made of 6 equal groups of 5

Year 2—Number knowledge

Odd and Even

Challenge 1: Use your knowledge of odd and even to identify the even numbers that have been made in the ten frames.

Eva uses counters to make the numbers from 1 to 10



Tick all the numbers that are even.

What do you notice about all the even numbers?

Challenge 2: Use the pictures to show odd and even numbers.

3 Draw circles to show the groups.

a) Group the shoes in 2s to show that 16 is even.

b) Group the socks in 2s to show that 17 is odd.

Challenge 3: Colour the even numbers.

4 Colour all the even numbers.

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

What do you notice about the last digit of all the even numbers?

Challenge 4: Use your knowledge of odd and even to explain your answer.

6 **a)** Teddy has a 2-digit number.

The 1st digit has been covered up.

Is Teddy's number odd or even?
Circle your answer.

odd **even** **you cannot tell**

How do you know?

b) Dora has a 2-digit number

The 2nd digit has been covered up.

Is Dora's number odd or even?
Circle your answer.

odd **even** **you cannot tell**

Challenge 5: Use dice to explore odd and even practically.

7 Roll 2 dice and find the total.

Complete the table.

Dice 1	Dice 2	Total	Is the total odd or even?
3 (odd)	2 (even)	3 + 2 = 5	odd

What patterns can you spot?