

YEAR 2

Division (2, 5 and 10)

**Vocabulary:**

Division, divided by, share, shared between, equal, groups, same, number sentence, calculation, number, numeral, digit, pattern, inverse, jottings.

**Concrete**

Equal groups - sharing ( $\div 2, 5$  and  $10$ )

Concrete objects:



8 muffins shared equally between 2 is 4



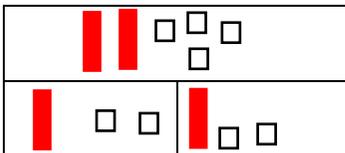
12 cubes shared equally between 2 is 6



25 divided by 5 equals 5 in each group.

**Halving:**  
 $24 \div 2 = 12$  (link to fractions)

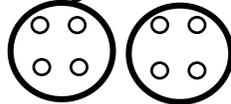
Diennes



**Pictorial/jottings**

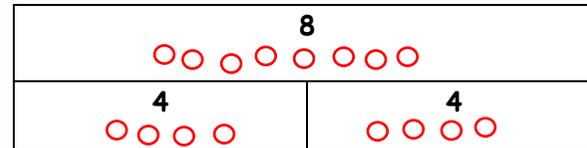
Equal groups - sharing

Jottings:



8 shared between 2 is 4       $8 \div 2 = 4$

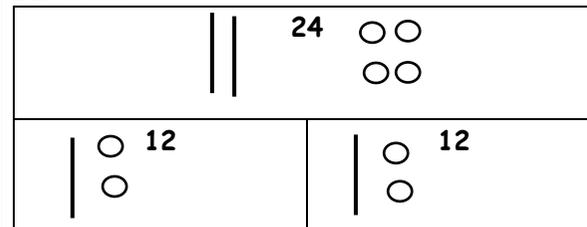
Bar model:



**Halving:**

$24 \div 2 = 12$

Bar model:



**Abstract**

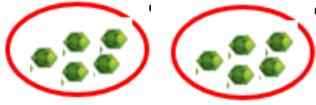
No formal written method

No formal written method

**Equal groups - grouping**

$10 \div 2 = 5$

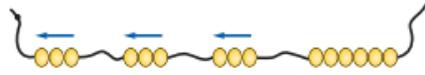
**Cubes**



There are 2 groups of 5 sweets.

**Bead string**

$15 \div 3 = 5$



**Concrete**

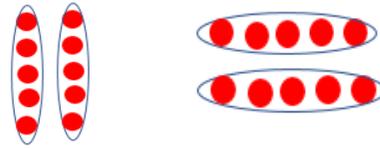


There are 3 groups of 5 sweets.

**Equal groups - grouping**

$10 \div 2 = 5$

**Arrays:**



As columns

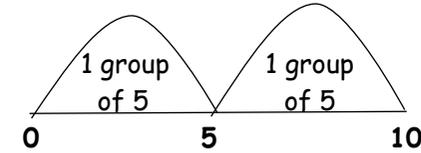
OR

as rows

**Equal groups - grouping**

$10 \div 2 = 5$

**Number line:**



**Mental**

**Number facts**

Count regularly, on and back, in steps of 2, 3, 5 and 10 from 0.

Instantly recall the 2, 5 and 10 times tables.

Understand, **show** and **use** the **inverse** relationship between **multiplication** and **division** e.g.

- $4 \times 10 = 40$        $4 \times \square = 40$
- $10 \times 4 = 40$        $\square \times 10 = 40$
- $40 \div 10 = 4$        $40 \div \square = 40$
- $40 \div 4 = 10$        $\square \div 4 = 40$

**Using doubling and halving:**

Know corresponding halves of doubles of all numbers to 15 and doubles of all numbers of multiples of 5 to 50.

$14 \div 2 = 7$  (by recalling the doubles first)

**Using known facts and place value:**

If  $4 \div 2 = 2$   
Then  $40 \div 2 = 20$

**Recognize odd and even numbers:**

Explain why 15 is an odd number

