

# Number Facts: Year 2

## Number and place value

Pupils should be taught to:

- count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward

## Addition and subtraction

Pupils should be taught to:

- recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100
- recognise and use the inverse relationship between addition and subtraction and use this to check calculations and missing number problems.

## Multiplication and division

Pupils should be taught to:

- Recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables

## Fractions

Pupils should be taught to:

- recognise, find, name and write fractions  $\frac{1}{3}$ ,  $\frac{1}{4}$ ,  $\frac{2}{4}$  and  $\frac{3}{4}$  of a length, shape, set of objects or quantity
- write simple fractions e.g.  $\frac{1}{2}$  of 6 = 3 and recognise the equivalence of  $\frac{2}{4}$  and  $\frac{1}{2}$ .

## Measurement

Pupils should be taught to:

- compare and sequence intervals of time.
- Know the number of minutes in an hour and the number of hours in a day

### Number Facts: Number and place value

- Know the sequence of counting in multiples of 3.

### Number Facts: Addition and subtraction

- Secure all number facts in the year 1 curriculum.
- Focus on inverse operations.  
**For example –**  
**I know that  $13 + 4 = 17$  therefore .....  
 $17 - 4 = 13$  and  $17 - 13 = 4$ .**
- Know number bonds to 100 using multiples of 10 using related number bond to 10 facts.  
**For example –**

**If I know that  $1 + 9 = 10$ , then I also know that  $10 + 90 = 100$ .**

### Number facts: Multiplication and division

- Know the 2, 5 and 10 times table and the related division facts.
- Be able to recognise odd and even numbers.

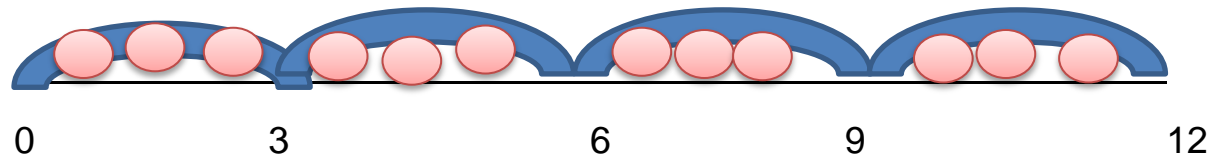
### Number Facts: Measure

- 100p = £1       $\frac{1}{2}$  of £1 = 50p
- 100 cm = 1m
- Whole hour = 60 minutes
- $\frac{1}{2}$  an hour = 30 minutes
- $\frac{1}{4}$  of an hour = 15 minutes
- $\frac{3}{4}$  of an hour = 45 minutes
- There are 24 hours in a day
- Able to recite all the months in a year In the correct order..

### Number Facts: Fractions

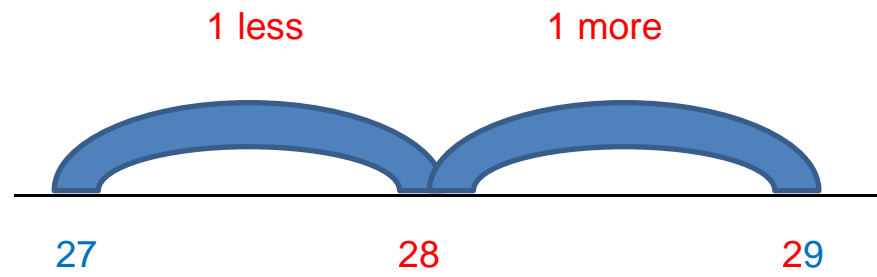
- $\frac{1}{3} + \frac{1}{3} + \frac{1}{3} = 1$  whole
- $\frac{1}{4} + \frac{1}{4} + \frac{1}{4} = \frac{3}{4}$
- 1 whole –  $\frac{1}{4} = \frac{3}{4}$
- $\frac{2}{4} = \frac{1}{2}$
- Able to say  $\frac{1}{2}$  of all even numbers to 20  
**For example –**  
**A half of 14 is 7**

# Images and mathematical models to support year 2 conceptual understanding underpinning the facts

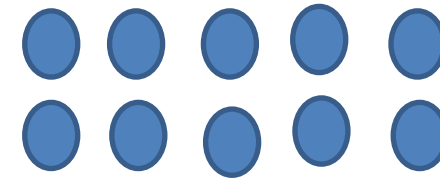


Counting in sequences of 3

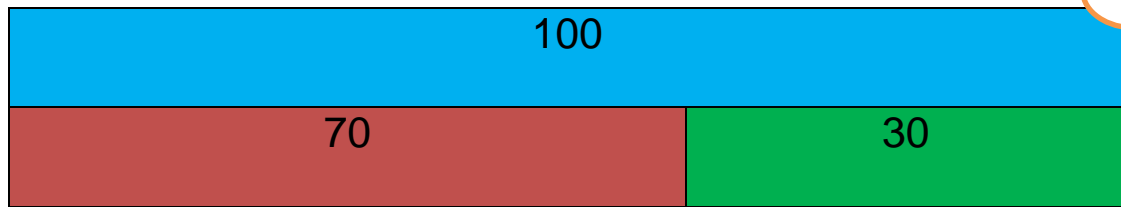
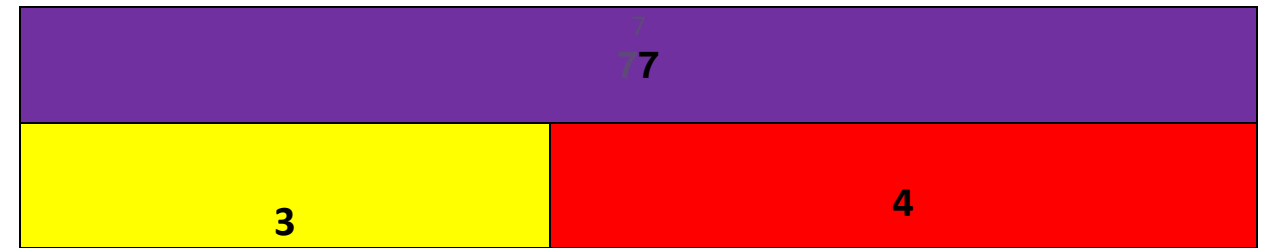
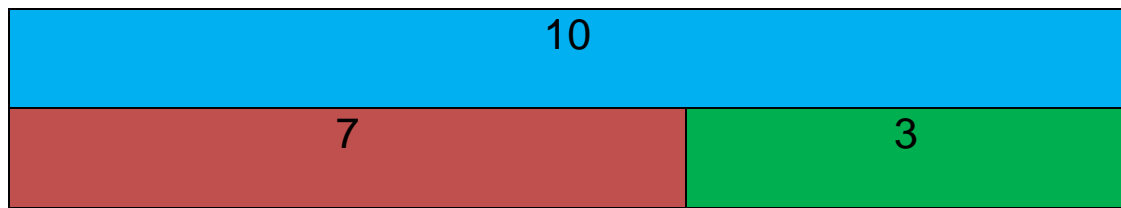
Numberline to 100



Finding one more and one less

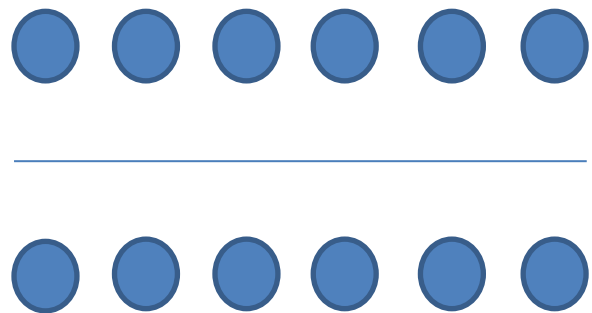


$2 \times 5 = 10$      $5 \times 2 = 10$   
 $10 \div 2 = 5$      $10 \div 5 = 2$



Using knowledge of numberbonds to 10 to find number bonds to 100

$3 + 4 = 7$      $4 + 3 = 7$   
 $7 - 3 = 4$      $7 - 4 = 3$



A half of 12 is 6

