

Number Facts: Year 1

Number and place value

Pupils should be taught to:

- count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
- count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens
- given a number, identify one more and one less

Addition and subtraction

Pupils should be taught to:

- read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs
- represent and use number bonds and related subtraction facts within 20
- add and subtract one-digit and two-digit numbers to 20, including zero
- solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$.

Fractions

Pupils should be taught to:

- recognise, find and name a half as one of two equal parts of an object, shape or quantity
- recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.

Measure

Pupils should be taught to:

- recognise and know the value of different denominations of coins and notes
- sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening
- recognise and use language relating to dates, including days of the week, weeks, months and years

Number Facts: Number and place value

- Know the sequence of counting in multiples of 2.
- Know the sequence of counting in multiples of 10.
- Know the sequence of counting in multiples of 5.
- Understand that

+ 1 = 'next number' on a number line

- 1 = 'number before' on a number line

Number Facts: Addition and subtraction

- Know the number bonds for all numbers to 5

For example:

$$4 + 0 = 4 \quad 4 - 0 = 4$$

$$3 + 1 = 4 \quad 4 - 1 = 3$$

$$2 + 2 = 4 \quad 4 - 2 = 2$$

$$1 + 3 = 4 \quad 4 - 3 = 1$$

$$0 + 4 = 4 \quad 4 - 4 = 0$$

- Know the number bonds for all numbers to 10 and the related subtraction facts.
- Know the number bonds for all numbers to 20 and the related subtraction facts.

For example

$$10 + 2 = 12 \quad 12 - 2 = 10$$

$$9 + 3 = 12 \quad 12 - 3 = 9$$

$$8 + 4 = 12 \quad 12 - 4 = 8$$

- To recognise that $10 + x =$ teen number

Number facts: Measure

- Say the days of the week in the correct order.
- Recognise coins such as 1p, 2p, 10p, 20p.
- Apply number bond knowledge to coins (1ps, 10ps) eg
 $10p + 1p = 11p$
 $10p + 2p = 12p$
 $10p + 3p = 13p$

Number Facts: Fractions

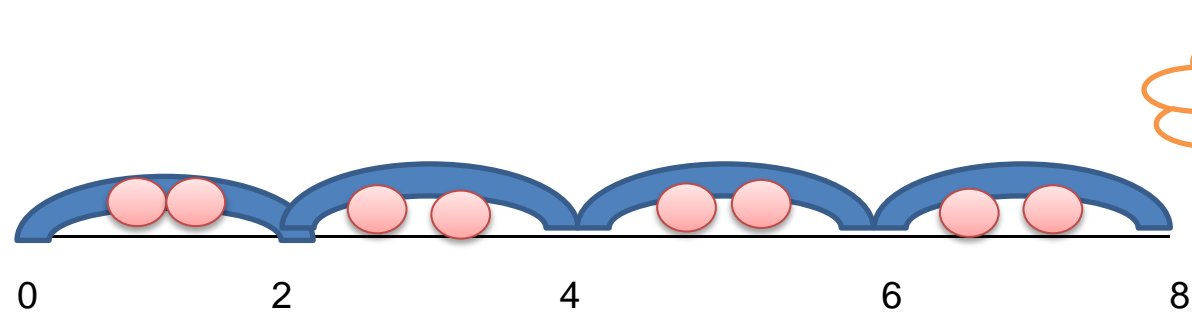
Understand that.....

$$\frac{1}{2} + \frac{1}{2} = 1 \text{ whole}$$

$$\frac{1}{4} + \frac{1}{4} + \frac{1}{4} + \frac{1}{4} = 1 \text{ whole}$$

One half (of a pizza) and another half (of a pizza) make a whole (pizza)

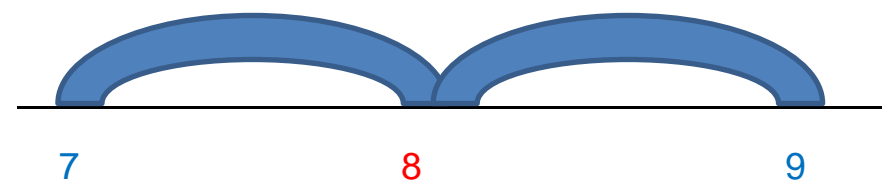
Images and mathematical models to support year 1 conceptual understanding underpinning the facts



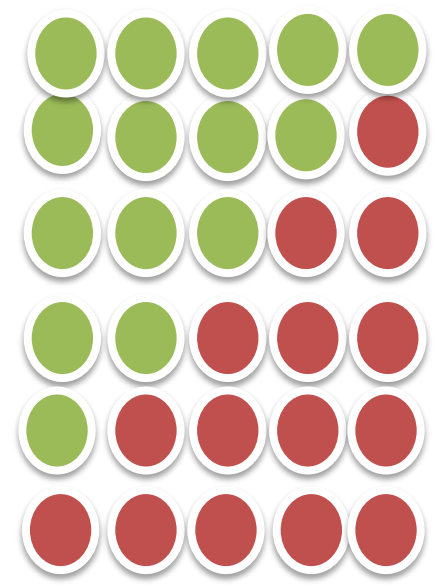
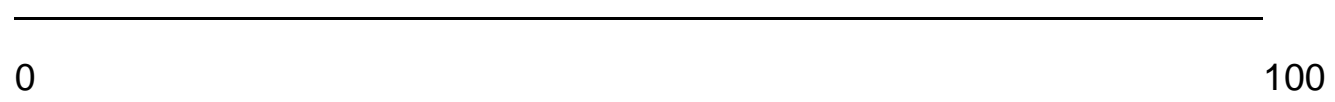
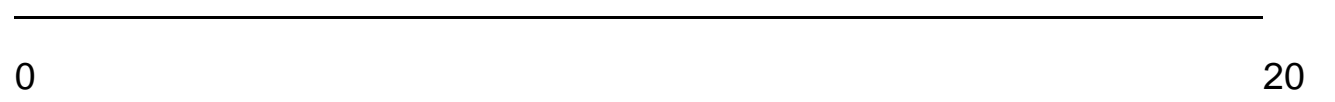
Counting in sequences of 2, 5 and 10

Numberlines to 20 and 100

1 less 1 more



Finding one more and one less



Finding number bonds

Finding number bonds to 20

