



# Maths Knowledge Organiser for Year 1

Term: Summer

## Key vocabulary

- Number bonds
- Fact families
- Tens/Ones
- Standard units of measure
- Non-standard units of measure
- Multiplication
- Division
- Equal groups
- Half/Quarter
- More/Less
- Greatest/Least
- Smallest/Largest
- Heavier/Lighter
- Length
- Height
- Weight
- Volume
- Measure

## Curriculum Objectives

### Measurement – Length/Height; Weight/Volume; Money; Time

- Compare, describe and solve practical problems for: lengths and heights (for example, long/short, longer/shorter, tall/short, double/half)
- Compare, describe and solve practical problems for: mass/weight [for example, heavy/light, heavier than, lighter than]; and volume [for example, full/empty, more than, less than, half, half full, quarter]
- Measure length, height and weight using standard and non-standard units
- Recognise and know the value of different denominations of coins and notes
- Sequence events in chronological order using language
- Recognise and use language relating to dates, including days of the week, weeks, months and years
- Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times

### Multiplication and Division

- Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.

### Fractions

- 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.

### Position and Direction

- Describe position, direction and movement, including whole, half, quarter and three-quarter turns.

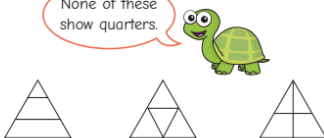
### Place Value (within 100)

- 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
- Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least

## Examples

Tiny wants to show a quarter.

None of these show quarters.



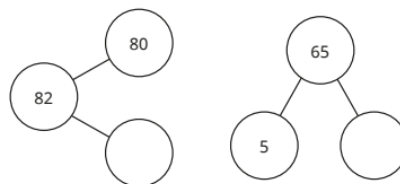
Do you agree with Tiny?  
Talk about your answer.

Four children run a race.  
Here are their times.

Ron	Sam	Tom	Jo
24 seconds	9 seconds	12 seconds	21 seconds

Write the names of the children in order of the place they finish, from 1st to last.

Complete the part-whole models.



How long is the building block?



The building block is  cm long.

Circle each row of sweets.



How many rows are there?