

MEASUREMENT

- Measure length/height (metres and centimetres) using rulers
- Measure mass (kilograms and grams) using scales
- Measure capacity (litres and millilitres) using measuring jugs
- Measure temperature ($^{\circ}\text{C}$) using thermometers
- Know what to use when measuring. *I need to weigh some flour. What will I use?*
- Compare and order lengths, mass, volume/capacity and record the results using $>$, $<$ and $=$

MEASUREMENT – Money

- Recognise and use symbols for pounds (£) and pence (p)
- **Add together amounts of money $25\text{p} + 20\text{p} = 45\text{p}$**
- **Find different combinations of coins that equal the same amounts of money $10\text{p} = 5\text{p} + 5\text{p}$ or $5 \times 2\text{p}$**
- **Solve simple problems in a practical context involving addition and subtraction of money of the same unit $20\text{p} + 10\text{p}$ or $\text{£}3 + \text{£}2$, including giving change**

MEASUREMENT – Time

- Compare and sequence intervals of time
- **Tell and write the time to five minutes, including quarter past/to the hour**
- Draw the hands on a clock face to show these times
- **Know the number of minutes in an hour and the number of hours in a day.**

GEOMETRY: Shape

- Identify 2-D shapes
- Describe 2-D shapes, including the number of sides and lines symmetry
- Identify 3-D shapes
- Describe 3-D shapes, including the number of edges, vertices and faces
- Identify 2-D shapes on the surface of 3-D shapes, [for example, a circle on a cylinder and a triangle on a pyramid]
- Compare and sort common 2-D and 3-D shapes and everyday objects
- Make patterns using shapes

GEOMETRY: Position and direction

- Describe position, direction and movement, including movement in a straight line
- Describe turns using right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)



St. Andrew's CE Primary School

A Parent's Guide to Maths in Year Two



This booklet contains the skills the children should know by the end of Year Two. They are the are the key mathematical skills that children need to know in this year group. You will notice that there are many objectives—so we have highlighted in red the key skills you could practice at home.

The skills are taken from the National Curriculum. If you wish to see the full mathematics curriculum please visit

www.gov.uk/government/collections/national-curriculum

For more information about what is being taught in other year groups at St. Andrew's and to view our Calculation Policy please visit our school website at

www.standrewsprimaryschoolstockwell.org/numeracy

NUMBER

NUMBER Number and place value

Children are expected to leave Year 2 confident in working with numbers up to at least 100

- **Read and write numbers to at least 100 in numerals and in words**
- **Count in 2s forwards and backwards 2, 4, 6 e.tc.**
- **Count in 3s forwards and backwards**
- **Count in 10s forwards and backwards**
- **Recognise the place value of each digit in a two-digit number (tens, ones) 23 has 2 tens and 3 ones**
- Partition two-digit numbers in different ways $23 = 20 + 3$ and $23 = 10 + 13$
- Estimate a group of objects
- Compare and order numbers from 0 up to 100;
- Use the less than $<$, more than $>$ and equals $=$ signs
- **Find numbers on a 100 square**
- Put numbers on a number line

NUMBER – Addition and Subtraction

- Solve problems with addition and subtraction using objects and pictures
- *An apple costs 25p and a banana costs 20p. How much do they cost altogether?*
- **Know and use number bonds to 20** $1 + 19 = 20$, $2 + 18 = 20$ and $20 - 1 = 19$, $20 - 18 = 2$
- **Know and use number bonds to 100** $20 + 80 = 100$, $30 + 70 = 100$ and $100 - 20 = 80$, $100 - 30 = 70$
- **Add and subtract numbers using objects, pictures, and mentally ('in their heads'),**
 - **a two-digit number and ones** $24 + 4 = 28$ $24 - 4 = 20$
 - **a two-digit number and tens** $24 + 20 = 44$ $24 - 20 = 4$
 - **two two-digit numbers** $24 + 21 = 45$ $24 - 21 = 3$
 - **adding three one-digit numbers** $6 + 4 + 2 = 12$
- Know that addition of two numbers can be done in any order $3 + 5 = 8$ and $5 + 3 = 8$

NUMBER – Multiplication and Division

- **Know the 2, 5 and 10 times table: multiplication facts $4 \times 2 = 8$ and division facts $8 / 2 = 4$**
- Recognise odd and even numbers for numbers up to 100
- Solve mathematical sums for multiplication and division
- Know that multiplication of two numbers can be done in any order $4 \times 2 = 8$ and $2 \times 4 = 8$
- Solve problems involving multiplication and division, using objects, arrays

$$\begin{array}{cccc} 1 & 1 & 1 & 1 \\ 1 & 1 & 1 & 1 \end{array} \quad 4 \times 2 \text{ or } 4 + 4$$

repeated addition 2×4 or $2 + 2 + 2 + 2$, mental methods

NUMBER – Fractions

- Recognise, find, name and write fractions $1/3$, $1/4$, $2/4$ and $3/4$ of a length, shape, set of objects or quantity
 $1/3$ of 9 apples are 3 apples each