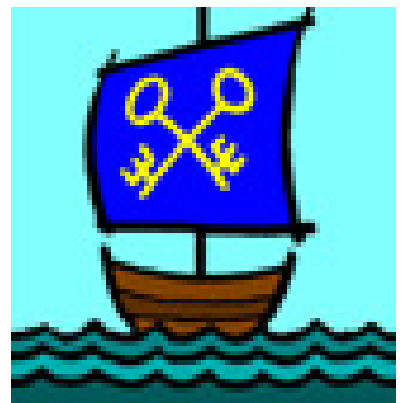




Year Three

Helping Your Child at Home

St Peter's Catholic
Primary School



By the end of Year 3, most children should be able to...

Count on in 4s, 8s, 50s and 100s. Give 10 more, 100 more or less than a number.

Be able to order, read and write numbers to 1000. Know the value of each digit in a 3-digit number.

Learn 3x, 4x and 8x. Use these and related division facts in calculations.

Put a 3-digit number in your head, add or subtract a single digit, a ten or a hundred.

Add and subtract numbers with up to 3 digits, using a written method.

Solve \times and simple \div and missing number problems. Estimate first and check using the inverse.

Count up and down in tenths. Recognise the link to division by 10.

Compare and order fractions with the same denominator.

Spot the equivalent fraction using apparatus or pictures.

Add and subtract fractions with the same denominator up to one whole.

Using metric units, measure/compare, add/subtract length, mass, volume and capacity.

Add and subtract amounts of money to give change. Make a record of your work.

Read analogue and digital clocks. Use am/pm, morning, afternoon, noon and midnight.

Learn the facts about time: seconds, minutes, days, months and years.

Be able to work out the amount of time taken for particular events.

Recognise shapes from different views. Measure the perimeter of 2D shapes.

Recognise that two right angles make $\frac{1}{4}$ turn and four complete a turn.

Recognise right angles and those that are less than and more than a right angle. Look for them in shapes.

Identify horizontal, vertical, perpendicular, parallel and curved lines.

Collect and present data on scaled charts, pictograms and tables. Interpret data to solve problems.

About the Expectations

These show the end of year expectations for an average Year 3 child. The box surrounding each expectation relates to the area of mathematics as shown below:

NUMBER

MEASUREMENT

GEOMETRY

STATISTICS

Calculations

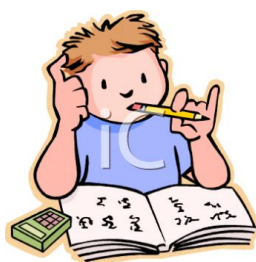
At St Peters we have devised a progression in calculation document for each of the four operations: addition, subtraction, multiplication and division.

The progression of written methods for each calculation for Year 3 is on the page that follows. These show what methods your child will be using in relation to their age. The methods used are typical of an average child in that year group. These are the methods that the children will be learning in class and using when calculating.

It is important to talk to your child and ask them to share the method they are using in school if you are unsure. Alternatively, discuss the methods that your child is using with their class teacher.

When faced with a calculation problem encourage your child to ask...

- ❖ Can I do this in my head?
- ❖ Could I do this in my head using drawing or jotting to help me?
- ❖ Do I need to use a written method?



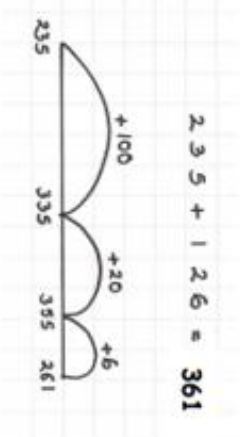
Also help your child to estimate and check the answer. Encourage them to ask...

- ❖ Is the answer sensible?
- ❖ When solving a problem, have I put my answer into context?

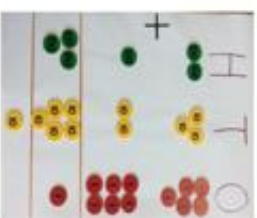
Year Three

Addition

Number line (up to 3-digits)



Using place value counters (up to 3-digits).



Expanded column method - regrouping.

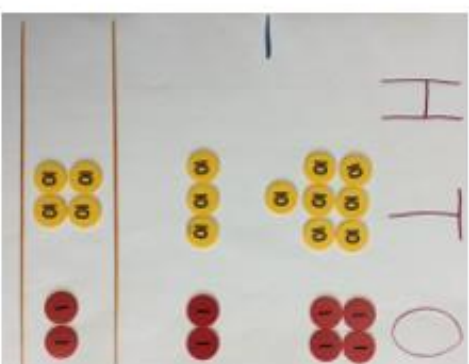
$$\begin{array}{r} 235 \\ + 126 \\ \hline 361 \end{array}$$

Compact column method (up to 3-digits).

$$\begin{array}{r} 235 \\ + 126 \\ \hline 361 \end{array}$$

Subtraction

Column method with regrouping using place value counters (up to 3-digits)



Partitioned column method

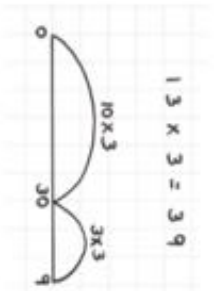
$$\begin{array}{r} 74 - 32 = 70 \\ - 30 \\ \hline 40 + 2 = 42 \end{array}$$

Compact column method

$$\begin{array}{r} 74 \\ - 32 \\ \hline 42 \end{array}$$

Multiplication

Use a number line



Place Value Counters



Using base 10

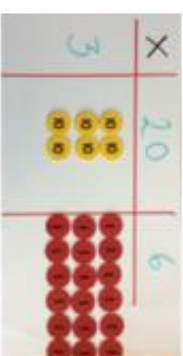
Tens	Ones
1 ten	3 ones
1 ten	3 ones
1 ten	3 ones

Grid method

$$24 \times 4 = 96$$

$$26 \times 3 = 78$$

$$\begin{array}{r} 26 \\ \times 3 \\ \hline 78 \end{array}$$

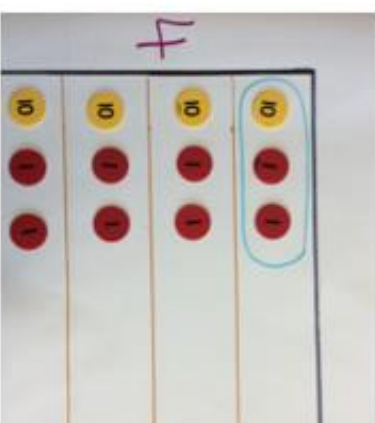


$$26 \times 3 = 78$$

Division

Using arrays - Place value counters

$$48 \div 4 = 12$$

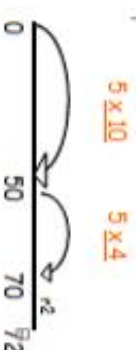


Number line - grouping

$$29 \div 3 = 9 \text{ r } 2$$



$$72 \div 5 = 14 \text{ r } 2$$



Useful Websites

Visit these useful websites to help your children to practice their maths skills in a fun and engaging way. These websites include different games and songs to support your child with their maths learning at home.

Times Table Rockstars

A fun, interactive programme which allows children to rehearse their times tables

<https://trockstars.com/>



Numbots

Play games to learn efficient mental calculation strategies to add and subtract two-digit numbers, so that you they can leave counting on your fingers behind!

<https://numbots.com>

Supermovers

Videos, songs and even movement routines to help you learn about different areas of mathematics.

<https://www.bbc.co.uk/teach/supermovers/ks2-maths-collection/z7frpg8>



Percy Parker

Sing and rap your way to learning all of your times tables with these ease using Percy Parker.

www.youtube.com

search for "Percy Parker times tables"