Year 3

END OF YEAR EXPECTATIONS FOR MATHEMATICS

Number and Place Value

- Count in multiples of 4, 8, 50 and 100
- Recognise the place value of digits in three-digit numbers (using 100, 10s and 1s)
- Read and write numbers up to 1,000 using digits and words
- Compare and order numbers up to 1,000

Calculations

- Add and subtract numbers mentally, including adding either 1s, 10s or units to a 3-digit number
- Use the standard column method for addition and subtraction for up to three digits
- Estimate the answers to calculations, and use inverse calculations to check the answers
- Learn the 3x, 4x and 8x tables and the related division facts.

E.g. knowing that 56 ÷ 8 = 7

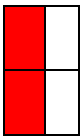
- Begin to solve multiplication and division problems with two-digit numbers

Fractions

- Understand and use tenths, including counting in tenths
- Recognise and show equivalent fractions with small denominators

Equivalent fractions are fractions that are the same.

Here $\frac{2}{4}$ of the chocolate bar is shaded. This is the same as writing $\frac{1}{2}$



- Add and subtract simple fractions worth less than one, for example 5/7 + 1/7 = 6/7
- Put a sequence of simple fractions into size order.

Measurements

- Solve simple problems involving adding and subtracting measurements such as length and weight
  E.g. If a Plum weighs 50g, how much will 5 plums weigh?

- Add and subtract and subtract amounts of money and give change
- Estimate and read the time with increasing accuracy
- Know the number of seconds in a minute and the number of days in a year or leap year

Shape and position

- Draw familiar 2-d shapes and make familiar 3-d shape models
- Recognise right angles, and know that these are a quarter turn, with four making a whole turn
- Identify whether an angle is greater than, less than or equal to a right angle
- Identify horizontal, vertical, perpendicular and parallel lines

Parallel lines are those which run alongside each other and never meet. Perpendicular lines cross over each other meeting exactly at right angles

Graphs and Data

- Present and understand data in bar charts, tables and pictograms
- Answer questions about bar charts that compare two pieces of information

Maths activities

Can you tell the time?

Whenever possible, ask your child to tell you the time to the nearest 5 minutes. Use a clock with hands as well as a digital watch or clock.

Also ask:

What time will it be one hour from now?

What time was it one hour ago?

Time your child doing various tasks, e.g.

getting ready for school;

tidying a bedroom;

Ask your child to guess in advance how long they think an activity will take. Can they beat their time when they repeat it?

Fractions

Use 12 buttons, or paper clips or dried beans ask your child to find **half** of the 12 things.
Now find one **quarter** of the same group.
Find one **third** of the whole group.
Repeat with other numbers.

Number games

Roll two dice. Make two-digit numbers, e.g. if you roll a 6 and 4, this could be 64 or 46. If you haven't got two dice, roll one dice twice.
Ask your child to do one or more of the activities below.
Count on or back from each number in tens.
Add 19 to each number in their head. (A quick way is to add 20 then take away 1.)
Subtract 9 from each number. (A quick way is to take away 10 then add 1)
take.
Can they beat their time when they repeat it?

Guess my number

Choose a car number you can see, e.g. 592.
Add 10 to the number in your head. Say the answer aloud.
Can your child guess which car you were looking at? If so she or he can have a turn next.

Cupboard maths

Ask your child to look at the weights printed on jars, tins and packets in the food cupboard, e.g. tinned tuna 185g,tinned tomatoes 400g,jam 454g
Choose six items. Ask your child to put them in order. Is the largest item the heaviest?

Suggested websites

http://www.maths-games.org/adding-games.html

http://www.ictgames.com/

http://www.bbc.co.uk/bitesize/ks2/maths/

http://www.topmarks.co.uk/maths-games/

http://www.crickweb.co.uk/ks2numeracy.html

http://www.primaryinteractive.co.uk/maths.htm

https://uk.ixl.com/math/year-3

http://resources.woodlands-junior.kent.sch.uk/maths/

The most important thing is to have fun!