Key Learning Objectives	**Ideas for home learning activities**
Counting and Understanding Numbers/Knowing and Using Number Facts	**Counting and Understanding Numbers/Knowing and Using Number Facts**

Counting and Understanding Numbers/Knowing and Using Number Facts

- Compare and order numbers beyond 1000
- Read Roman numerals to 100 (I to C)
- Find 1000 more or less than any number
- Round any number to the nearest 10, 100 or 1000
- Count backwards through zero
- Add and subtract numbers with up to four digits using formal written (column) methods
- Know all times tables up to 12 x 12
- Multiply two and three digit numbers using formal written methods
- Add and subtract fractions with the same denominators
- Recognise and write decimal equivalents to ¼, ½, ¾ and tenths and hundredths
- Order decimals with up to two decimal places
- Round decimals with one decimal place to the nearest whole number

Measurement

- Compare and estimate length, capacity, mass, money and time
- Read, write and convert time between analogue and digital clocks (12 and 24 hour)
- Draw rectangles and measure and calculate their perimeters
- Find the area of shapes by counting squares.
- Convert between different units of measurement

Geometry

- Draw shapes and classify them according to their properties e.g. number of right angles, number of faces
- Identify lines of symmetry in 2D shapes
- Complete a simple symmetrical drawing
- Identify acute and obtuse angles
- Classify different triangles (isosceles, scalene, equilateral)
- Compare and order angles
- Use coordinates in the first quadrant

Statistics

- Draw different graphs and answer questions about them

Counting and Understanding Numbers/Knowing and Using Number Facts

- Use the language of fractions when dividing pizzas, pies, cakes. Cut sandwiches into given fractions e.g .1/4, 1/8. What do they notice if someone is given ¼ and another 2/8?
- When out shopping round prices to the nearest number.
- Roll 4 dice (or 1 die 4 times). Make all possible 4 digit numbers e.g. 2, 6, 4, 5 could make 2465, 2564. Order them. Round the numbers to nearest 10 then nearest 100, then nearest 1000.
- Write fractions on blank playing cards and their decimal equivalents on other cards. Play a pairs game.
- Make a card game. Multiplication table on one card answer on another. Match them up.
- Challenge children to work out sums in their head.
- Estimate the final bill at the end of a trip to the supermarket.

Measurement

- Learn different measures linked to distance, mass, capacity and time. Make a game using blank playing cards. Write 1000ml on one card and 1 litre on another, these make a pair. Repeat for other measures then match them up.   Make posters of the units of each type of measure.
- Measure length, height and width of objects. Write measurements as cm and m + cm e.g. 165 cm or 1.65 m. Order them.
- Ask them to write down a TV schedule for a day/week. Work out the duration of each programme and the total for each day.
- Look at different timetables. How long are different journeys?

Geometry

- Draw a picture made up of different shapes. Describe the picture to someone else. Can they draw an exact replica?
- Play shape bingo. Draw six shapes and ask someone to read out clues and see if you can cross them off e.g. If you have a shape with four equal sides you can cross it off. If you have a shape with at least one acute angle you can cross it off.

Statistics

- Look out for graphs in newspapers and magazines. What do they show?
  Ask and answer questions such as ' how many more people … ?'