



Dear Parents, listed below is most of the learning we will cover this term in Maths. We have suggested activities you can try at home with your child to help them with their learning.

Place value

- Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through 0
- Read Roman numerals to 1,000 (M) and recognise years written in Roman numerals
- - Take the temperature outside during the day and evening then find the difference. Coldest day? Mildest day?
 - Convert the age and birth dates of your family into Roman Numerals

Addition and Subtraction

- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why
 - Plan a holiday for your family. How much will it cost per person? For the whole group? Cheapest time to go? Most expensive time to go? Calculate cost for different number of nights.

Measurement

- Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres
- Calculate and compare the area of rectangles (including squares), including using standard units, square centimetres (cm²) and square metres (m²), and estimate the area of irregular shapes
- Estimate volume [for example, using 1 cm³ blocks to build cuboids (including cubes)] and capacity [for example, using water]
 - Measure different rooms in your house. Which room has the biggest perimeter and volume?
 - Find the perimeter of your back or front garden.

Multiplication and division

- Identify multiples and factors, including finding all factor pairs of a number, and common factors of 2 numbers
- Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000
- Multiply and divide numbers mentally, drawing upon known facts
 - Roll dice, then multiply and divide numbers by 10, 100 or 1000.
 - Times tables. Both deal a card, multiply them together. The first person to say the answer wins both cards. Whoever has the most cards is the winner.

Fractions

- Round decimals with 2 decimal places to the nearest whole number and to 1 decimal place
- Solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25
- Compare and order fractions whose denominators are all multiples of the same number
- Add and subtract fractions with the same denominator, and denominators that are multiples of the same number
- Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements > 1 as a mixed number [for example, $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1 \frac{1}{5}$]
- Recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per 100', and write percentages as a fraction with denominator 100, and as a decimal fraction
 - Flip playing cards over to create a fraction, find equivalent fraction. If it's an improper fraction then convert it to a mixed number.

SUMDOG and Times Tables Rockstars

Don't forget the school has a subscription to Sumdog and Times Tables Rockstars, which all children can access from home. They both have a variety of fun maths games to enjoy!

www.sumdog.com
www.ttrockstars.com

Statistics

- Complete, read and interpret information in tables, including timetables
- Solve comparison, sum and difference problems using information presented in a line graph
 - Use your data that you've collected from measuring the temperature and plot onto a graph.
 - Write questions about the graph you've created which require another person to interpret your graph.
 - Read bus and train time tables to work out time of departure, arrival and length of journey for any upcoming trips.

Useful websites/games

- www.bbc.co.uk/education/subjects/z826n39
- www.funbrain.com
- www.murderousmaths.co.uk
- <http://www.topmarks.co.uk/maths-games/7-11-years/mental-maths>
- <http://www.bbc.co.uk/skillswise/game/ma13t-abi-game-tables-grid-find>
- <http://www.ictgames.com/multiplication-rounding.htm>