

Geometry

- Recognize describe and build simple 3d shapes including making nets.
- Compare and classify geometric shapes based on their properties and size to find unknown angles in any triangles, quadrilaterals and regular polygons.
- Illustrate and name parts of circles including radius diameter and circumference
- Find unknown angles where they meet at a point are on a straight line and are vertically opposite.
- Describe position on the full coordinate grid.
- Draw and translate simple shapes on the coordinate plane and reflect them in the axes.

Data

- Interpret and construct pie charts and line graphs use these to solve problems.
- Calculate the mean as an average.

Measure

- Solve problems involving the calculation and conversion of units of measure using decimal notation to three decimal places where appropriate.
- Calculate the area of a parallelogram and triangles.

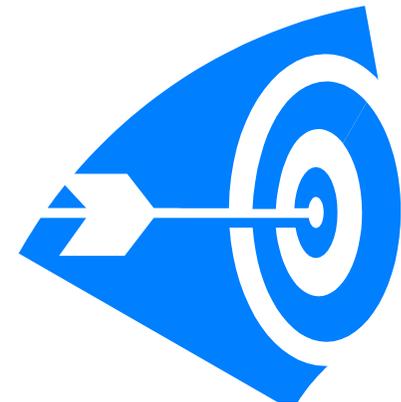
Mrs Thomas

Ringway Primary School
0161 437 1899

admin@ringwaymanchester.sch.uk

Year 6
2014

Numeracy Targets



Ringway Primary School

Year 6 Programme of Study

Number

- Read, write, order and compare numbers to at least 10000000 and determine the value of each number.
- Round any whole number to a required degree of accuracy.
- Use negative numbers in context and calculate intervals across zero.
- Solve number problems and practical problems that involve all of the above.

Algebra

- Express missing numbers algebraically.
- Use simple formulae expressed in words.

Multiplication & Division

- ◆ Multiply multi-digit numbers up to 4-digits by 2 digits using the efficient written method of long multiplication.

Divide numbers up to 4-digit by a 2-digit whole number using the efficient written method of long Division and interpret remainders as whole numbers, fractions or by rounding as appropriate.

- ◆ Perform mental calculations including with mixed operations and large numbers.
- ◆ Identify common factors, common multiples and prime numbers.
- ◆ Use their knowledge of the order of operations to carry out calculations involving the four operations.
- ◆ Solve addition and subtraction multi-step problems in context deciding which operations and methods to use and why.

Ratio and Proportion

- Solve problems involving relative sizes of two quantities
- Solve problems involving unequal sharing and grouping.

Fractions

- ◆ Use common factors to simplify fractions; use common multiples to express fractions in the same denomination.
- ◆ Compare and order fractions including fractions >1
- ◆ Associate fractions with division to calculate decimal fractions equivalents (0.375) for a simple fraction ($\frac{3}{8}$)
- ◆ Add and subtract fractions with different denominators and mixed numbers using the concept of equivalent fractions.
- ◆ Multiply simple pairs of proper fractions writing the answer in its simplest term ($\frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$)
- ◆ Divide proper fractions by whole numbers ($\frac{1}{3} \div 2 = \frac{1}{6}$)
- ◆ Solve problems involving the calculation of percentages such as 15% of 360