

Geometry

- Identify 3d shapes including cubes and cuboids from 2d representations.
- Know angles are measured in degrees ($^{\circ}$)
- Identify multiples of 90° , angles at a point on a straight line and $1/2$ turn (total 180°) angles at a point and a whole turn (360°) reflex angles and compare different angles.
- Draw shapes given dimensions as angles.
- Identify, describe and represent the position of a shape following a reflection or translation using the appropriate language and know that the shape has not changed.

Data

- Complete, read and interpret information in tables, including timetables.
- Solve comparison, sum and difference problems using information presented in line graphs.

Measure

- Measure and calculate the perimeter of composite rectilinear shapes in cm and m.
- Solve problems involving converting between different units of time.

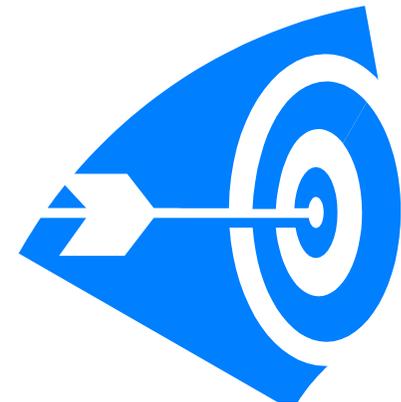
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Year 5
2014

Numeracy Targets



Ringway Primary School

Year 5 Programme of Study

Number

- Read, write and compare numbers to at least 1000000 and determine the value of each number.
- Count forwards and backwards in steps of powers of 10 up to 1000000.
- Interpret negative numbers in context.
- Round any number to the nearest 10, 100, 1000, 10000 or 100000
- Solve number problems and practical problems involving these ideas.
- Read Roman numerals to 1000 (M) and recognize years written in Roman numerals.

Addition & Subtraction

- ◆ Add and subtract numbers with more than 4-digits
- ◆ Use rounding to check answers to calculations and determine, in context of a problem, levels of accuracy.
- ◆ Solve addition and subtraction problems including 2 step problems, deciding on which operation to use and why.

Multiplication & Division

- ◆ Identify multiples and factors, including finding all factor pairs.
- ◆ Know and use the vocabulary of prime numbers, prime factors and composite numbers.
- ◆ Multiply numbers up to 4-digit by a one or two digit number
- ◆ Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000.
- ◆ Recognise and use square numbers and cube numbers and know the notations for squared (2) and cubed (3)

Fractions

- ◆ Compare and order fractions whose denominators are all multiples of the same number.
- ◆ Recognise mixed number and improper fractions and convert from one to the other.
- ◆ Add and subtract fractions with the same denominator and related fractions.
- ◆ Read and write decimal numbers as fractions ($0.71 = 71/100$)
- ◆ Recognise and use thousandths and relate to tenths, hundredths and decimal equivalents
- ◆ Read, write and compare numbers with up to three decimal places.
- ◆ Recognise the per cent symbol (%) and understand that per cent relates to number as parts per hundred.