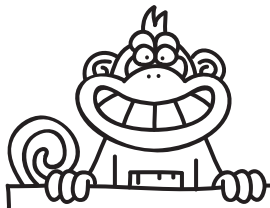# My Monkey Maths Mat

Number and Place Value

I can recognise years written in Roman numerals.

I can read Roman numbers to 1000 (M).

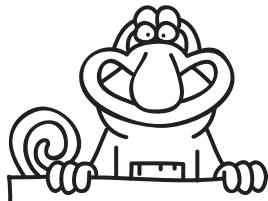I can solve number problems and practical problems.

I can round any number up to 1,000,000 to the nearest 10, 100, 1000, 10,000 & 100,000.

I can use negative numbers in context & can count through 0 with positive and negative numbers.

I can count in steps of powers of 10 for any given number up to 1,000,000.

I know what each digit represents in numbers to 1,000,000.

I can read, write, order and compare numbers to at least 1,000,000.

Addition and Subtraction

I can solve addition multi-step problems, deciding what operations & methods to use & why.

I can solve subtraction multi-step problems, deciding what operations & methods to use & why.
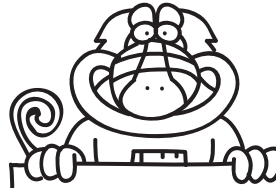
I can use rounding to check answers to calculations.

I can subtract mentally, using increasingly large numbers.

I can add mentally, using increasingly large numbers.

I can subtract numbers with more than 4 digits using written methods.

I can add numbers with more than 4 digits using written methods.

Multiplication and Division

I can solve problems including scaling by simple fractions and simple rates.

I can recognise and use square numbers and cube numbers.

I can x and ÷ whole numbers and decimals by 10, 100 and 1000.

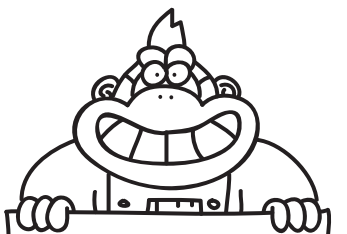I can divide numbers up to 4 digits by a 1 digit number using a written method.

I can x numbers up to 4 digits by a 1 digit number using a written method.

I can establish whether a number up to 100 is prime & recall prime numbers up to 19.

I know and use the vocab of prime numbers, prime factors and composite (non-prime) numbers.

I can solve problems using multiplication and division.

I can identify multiples and factors, including finding all factor pairs.

Fractions

I recognise the % symbol and can write percentages as a fraction.

I can solve number problems up to 3 decimal places.

I can read, write, order and compare numbers with up to 3 decimal places.

I can round decimals with 2 decimal places to the nearest whole number & to one decimal place.

I can recongise and use 1000ths and relate them to 10ths, 100ths and decimal equivalents.

I can read and write decimal numbers as fractions.

I can multiply proper fractions and mixed numbers by whole numbers, supported by materials & diagrams.

I can + and - fractions with the same denominator & related fractions.

I recognise mixed numbers and improper fractions and convert from one form to another.

I can compare and order fractions whose denominators are all multiples of the same number.

Measures

I can solve problems involving + and - of units of measures with decimal notation.

I can solve problems involving converting between units of time.

I can estimate the area of irregular shapes.

I can recognise and estimate volume and capacity.

I can calculate and compare the area of squares and rectangles.

I can measure & calculate the perimeter of composite rectilinear shapes in cm and m.

I understand & use basic equivalence between metric & imperial units.

I can convert between different units of measure e.g. Km to m.

Geometry

I can distinguish between regular and irregular polygons.

I can state and use the properties of a rectangle to deduce related facts.

I can draw shapes using given dimensions and angles.

I can compare different angles.

I can identify reflex angles.

I can identify angles at a point and one whole turn.

I can identify angles at a point on a straight line and 1/2 a turn.

I can draw a given angle, writing its size in degrees.

I know angles are measured in degrees and can estimate and measure them.

I can identify 3-D shapes, including cuboids from 2-D presentations.

Statistics

I can present information using ICT.

I can read and interpret information in tables including timetables.

I can complete information in tables including timetables.

I can solve 'difference' problems using information from line graphs.

I can solve 'sum' problems using info from line graphs.

I can solve 'comparison' problems using information in line graphs.

Notes: