Mathematics Programme of Study - Year 4

I can use place value, to divide up to three numbers mentally.

I can scale numbers and use correspondence to solve problems in which n objects are connected

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

and hundreds.

write decimal

write decimal

with the same

denominator

unit fractions

I can recognise and

I can recognise and

equivalents of any

number of 10ths or

can + and - fractions

I can find fractions of

I can recognise and

families of common

equivalent fractions

show, using diagrams,

quantities including non-

equivalents to 1/4, 1/2, 3/4.

I can solve simple

problems involving

places.

measure and money

fractions and decimals up to two decimal

I can compare numbers

with the same number of decimal places.

I can find the effect of dividing a number by 10 I can solve problems and 100 and identify the involving converting value of digits in the from hours to minutes: answer as ones, tens

> I can read, write and convert time between analogue and digital 12 and 24 hour clocks.

minutes to seconds:

years to months and

weeks to days.

I can estimate, compare and calculate different measures, including money in pounds and pence.

I can find the area of rectilinear shapes by counting in squares.

I can convert between different units of measure (e.g. kilometre to metre: hour to minute).

I can measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres. points and draw sides to complete a given polygon.

I can plot specified

can translate shapes.

can describe a position on a 2-d grid as coordinates in the first quadrant.

symmetric figure with respect to a specific line of symmetry.

can identify lines of symmetry in 2d shapes presented in different orientations.

can compare and order angles up to two right angles by size.

I can identify acute and obtuse angles.

I can use a range of scales when interpreting

I can compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes.

and presenting data.

I can solve 'difference' problems using bar charts, pictograms,

can complete a

information presented in tables and simple line graphs.

can solve 'sum' problems using information presented in bar charts, pictograms, tables and simple line graphs.

I can solve 'comparison' problems using information presented in bar charts, pictograms, tables and simple line graphs.

I can interpret and present data using line graphs.

I can interpret and present data using bar charts.

double and multiple of 10 or 100.

I can halve any even

number to 200.

I can identify the

by 2, 5, or 10.

remainder when dividing

I can, with jottings, find

unit fractions and simple

numbers and quantities.

non-unit fractions of

I can, with jottings,

I know doubles of

numbers to 100 and corresponding halves.

I can use partitioning to calculate mentally,

I can, with jottings, +/-2/3 digit multiples of 10.

I can add near doubles of 2 digit numbers.

I can, with jottings, +/- a near multiple of 10.

I can, with jottings, + /pairs of 2 digit numbers. Inc. crossing 10's and 100's boundary.

I can recall pairs of fractions that total 1.

I know what must be added to any 3 digit number to make the next multiple of 100.

I can recall sums and differences of pairs of multiples of 10, 100,

Statistics

Mental strategies

known and derived facts

to m objects.

I can use partitioning to multiply two digit numbers by one digit.

I can solve problems using multiplication and division.

I can multiply three digit numbers by a one digit number.

I can multiply two digit numbers by a one digit number using the formal written method.

I can recognise and use factor pairs in mental calculations.

I can divide two digit numbers by a one digit number using a written method including remainders

I can use place value. known and derived facts to multiply up to three numbers mentally.

I can recall x and ÷ facts for multiplication tables up to 12 x12.

Multiplication

and Division

in 100ths and recognise that 100ths arise when dividing an object by 100 and dividing 10ths by 10.

I can count up and down

Fractions and Decimals

Measurement

Geometry

Programme of study objectives taken from 'The National Curriculum 2014'

I can read Roman

numeral system

place value

numerals to 100 (I to C)

and understand how the

changed including the

I can solve number and

practical problems using

I can round any number

to the nearest 10, 100 or

I can identify, represent

and estimate numbers.

I can order and compare

numbers beyond 1000.

place value of each digit

in a four digit number.

I can count backwards

through zero to include

I can find 1000 more or

I can count in multiples

of 6, 7, 9, 25 and 1,000

Number and

Place Value

negative numbers.

less than a given

number.

I can recognise the

increasingly large

positive numbers.

1000.

I can solve mental

calculations with

increasingly large

can solve two-step

to use and why.

to use and why.

I can solve two-step

addition problems in

can use inverses to

can estimate to check

answers to calculations.

I can subtract numbers

with up to 4 digits using

I can add numbers with

Addition and

Subtraction

up to 4 digits using

columnar addition.

columnar subtraction

check answers to

calculations.

contexts, deciding which

operations and methods

subtraction problems in

contexts, deciding which

operations and methods

numbers.

concept of 'zero' and

Developed by St Michaels CofE Bamford

Mental Strategies taken from 'Teaching Children to Calculate Mentally'