YEAR 5

END OF YEAR EXPECTATIONS FOR MATHEMATICS

NUMBER AND PLACE VALUE
I can…

- read, write and compare numbers up to 1, 000, 000

  903,456 < 945,345
- count forwards and backwards with positive and negative numbers
- read Roman numerals to 1000 and read years written in Roman numerals

  2015 = MMXV

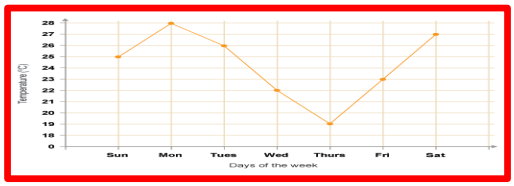
ADDITION AND SUBTRACTION
I can…

- add and subtract whole numbers with more than 4 digits using a written method

  45742
  +35787
- add and subtract numbers in my head
- solve problems that have more than one step in them

STATISTICS
I can…

- solve problems in a line graph



On what day was the temperature the lowest?

- complete, read and interpret information in tables (including timetables)

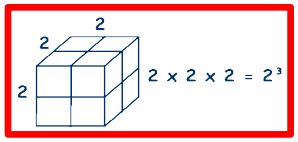
MULTIPLICATION AND DIVISION
I can…

- find factors and multiples of numbers
- recall prime numbers up to 19

  2, 3, 5, 7, 11, 13, 17, 19

  Work out if a number is a prime number (up to 100)
- recognise square and cube numbers

$1^2 = 1$
$2^2 = 4$
$3^2 = 9$
$4^2 = 16$
$5^2 = 25$
$6^2 = 36$
$7^2 = 49$
$8^2 = 64$
$9^2 = 81$
$10^2 = 100$



- x and ÷ by 10, 100 and 1000 (including decimals)

  4.5 ÷ 10 = 0.45
- recall all my tables to 12 x 12
- divide numbers in my head using my tables to help me
- multiply up to a 4 digit number by one or two digits

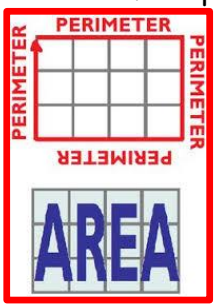
  3458 x 7

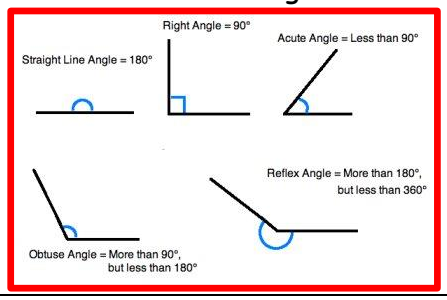
  3564 x 27
- Divide numbers up to 4 digits by a one digit number

  5823 ÷ 3 =
- Solve problems using all four operations + - x ÷

FRACTIONS, DECIMALS AN PERCENTAGES I can…
compare and order fractions
write equivalent fractions $^{1}/_{2} = {}^{4}/_{8}$
change mixed numbers to improper fractions and vice versa $4\ {}^{5}/_{10} = {}^{45}/_{10}$
read and write decimal numbers as fractions $0.71 = {}^{71}/_{100}$
read, write, order, round and compare numbers with up to 3 decimal places
recognise the % symbol and understand that per cent means 'parts per hundred'

Websites to help
http://www.topmarks.co.uk/ https://uk.ixl.com/math/ http://www.bbc.co.uk/bitesize/ks2/maths/ http://resources.woodlands-junior.kent.sch.uk/maths/ http://www.crickweb.co.uk/ks2numeracy.html

MEASUREMENT I can…
convert between different units of measurement 300cm = 3m
measure and calculate the area and perimeter of shapes 
estimate the area of irregular shapes
estimate volume and capacity
solve problems involving time
use all four operations (+, -, x and ÷) to solve problems involving measure

GEOMETRY I can…
identify 3-D shapes from 2-D drawings
estimate and compare acute, obtuse and reflex angles 
draw angles measuring them in degrees
reflect and translate a shape and know that the shape has not changed