Maths progression Y2-6 2019-20
(Examples indicate end of year expectations)

| Topic | EYFS | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 | Year 6 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Place <br> Value | Count reliably with numbers from 1 to 20, place them in order and say which number is one more or one less than a given number. | Count to 100, forwards and backwards, beginning with 0 or 1, or from any given number. <br> Fill in the missing numbers. <br> Count, read and write numbers to 100 in numerals and words. <br> Given a number, identify one more or one less. <br> Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least. <br> Complete the stem sertences and statements <br> $\square<\square<\square>\square$ | Read and write numbers to at least 100 in numerals and in words. <br> Recognise the place value of each digit in a two digit number (tens, ones). <br> Identify, represent and estimate numbers using different representations including the number line. <br> Compare and order numbers from 0 up to 100 ; use $<,>$ and $=$ signs. <br> Use $<,>$ or $=$ to complete. <br> Use place value and number facts to solve problems. <br> Count in steps of 2, 3 and 5 from 0 , and in tens from any number, forward and backward. | Identify, represent and estimate numbers using different $\square$ representations. <br> 303 <br> Find 10 or 100 more or less than a <br> given number. <br> Recognise the place value of each digit in a three-digit number (hundreds, tens, ones). <br> Compare and order numbers up to 1000 (using < > = signs and accompanying language). <br> Read and write numbers up to 1000 in numerals and in words. <br> Solve number problems and practical problems involving these ideas. <br> Count from 0 in multiples of 4, 8,50 and 100. | Count in multiples of 6, 7, 9, 25 and 1000. <br> Find 1000 <br> more or less than a given number. <br> Recognise the place value of each digit in a four digit number (thousands, hundreds, tens and ones). <br> Order and compare numbers beyond 1000. <br> Identify, represent and estimate numbers using different representations. <br> Round any number to the nearest 10,100 or 1000. <br> Solve number and practical problems that involve all of the above and with increasingly large positive numbers. <br> Count backwards through zero to include negative numbers. | Read, write, order and compare numbers to at least <br> 1,000,000 and determine the value of each digit. <br> Count forwards or backwards in steps of powers of 10 for any given number up to $1,000,000$. <br> Complete the table. <br> Round any number up to $1,000,000$ to the nearest 10,100 , $1,000,10,000 \text { and 100,000. }$ <br> Solve number problems and practical problems that involve all of the above. <br> Read Roman numerals to 1,000 $(M)$ and recognise years written in Roman numerals. <br> Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers including through zero. | Read, write, order and compare (using < > = signs) numbers up to $10,000,000$ and determine the value of each digit. <br> Complete the missing numbers. $\qquad$ <br> $6,305,400=$ $+300,000$ + + $+400$ <br> $42,550=$ $\qquad$ $\qquad$ $+400$ <br> Round any whole number to a required degree of accuracy. <br> Use negative numbers in context, and calculate intervals across zero. <br> Use the number line to answer the following: <br> - What is 6 less than 4 ? <br> - What is 5 more than -2 ? <br> - What is the difference between 3 and -3 ? <br> Solve number and practical problems that involve all of the above. |
| Additio <br> n | Using quantities and objects, they add and subtract two single-digit numbers and | Represent and use number bonds and related subtraction facts within 10 then 20. | Recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100 . | Add numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three digit number and hundreds. | Add numbers with up to 4 digits using the formal written methods of columnar addition where appropriate. | Add numbers mentally with increasingly large numbers. <br> Add whole numbers with more than 4 digits, including using formal written | Solve addition multi step problems in contexts, deciding which operations and methods to use and why. <br> Missing digits: |


| count on or back to find the answer. <br> e.g. 7 add $3=$ $\qquad$ | Read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) <br> Add and subtract one digit numbers to 10 , including zero. Add and subtract one digit and two digit numbers to 20, including zero. $\qquad$ <br> Add by making 10 e.g. $9+3=$ <br> Add by adding ones: <br> Solve one step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7=$ こ -9 . | Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers. <br> Using Base 10 representations to add two 2-digit numbers e.g. <br> Adding two 2-digit numbers using columnar addition e.g. <br> Show that the addition of two numbers can be done in any order (commutative) and subtraction of one number from another cannot. <br> Which of the representations are equivalent to the bar model? $12=9+3$ <br> There are 9 cars in a car park, 3 cars leave. $9-3=12$ <br> Solve problems with addition and subtraction: using concrete objects and pictorial representations, including those involving numbers, quantities and measures; applying their increasing knowledge of mental and written methods. | Add numbers with up to three digits, using formal written methods of columnar addition. $24+15=39$ <br> Formal written method with regrouping. $\begin{array}{r} 536 \\ +85 \\ \hline 621 \\ \hline 11 \end{array}$ <br> Estimate the answer to a calculation and use inverse operations to check answers. <br> Solve problems, including missing number problems, using number facts, place value, and more complex addition. | $\begin{array}{llll}\text { Use Rosie's method to calculate: } & \\ 3,356+2,437 & 3,356+2,473 & 3,356+2,743\end{array}$ <br> Estimate and use inverse operations to check answers to a calculation. <br> Solve addition two step problems in contexts, deciding which operations and methods to use and why. | methods (columnar addition). $\begin{array}{r} ? 4 ? 3 ? \\ +2 ? 5 ? 2 \\ \hline 78529 \\ \hline \end{array}$ <br> Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy. <br> Solve addition multi step problems in contexts, deciding which operations and methods to use and why. <br> The sum of two numbers is 11,339 <br> The difference between the same two numbers is 1,209 <br> Use the bar model to help you find the numbers. | $\left.\begin{array}{r\|l\|l\|l\|l\|l\|}5 & 2 & 2 & 4 & 7 & ? \\ + & 3 & ? & 5 & 9 & 0\end{array}\right) 4$. <br> Uneven decimal places: <br> Bar model possibilities: <br> Perform mental calculations, including with mixed operations and large numbers. <br> Use their knowledge of the order of operations to carry out calculations involving the four operations. <br> Solve problems involving addition, subtraction, multiplication and division. <br> Use estimation to check answers to calculations and determine in the context of a problem, an appropriate degree of accuracy. |
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|  |  |  | Tens Oness <br> III $\vdots \cdot$ <br> IIII $\qquad$ <br> 23 <br> Recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems. |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Subtract ion | Using quantities and objects, they add and subtract two single-digit numbers and count on or back to find the answer. <br> e.g. 6 subtract 2 $\qquad$ |  | Add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and ones; a two-digit number and tens; two two-digit numbers; adding three one-digit numbers. $22-7=$ <br> Subtract 8 from 24 | Subtract numbers mentally, including: a three-digit number and ones; a three-digit number and tens; a three digit number and hundreds. <br> Subtract numbers with up to three digits, using formal written methods of columnar subtraction. <br> $553-32=521$ <br> Estimate the answer to a calculation and use inverse operations to check answers. <br> Solve problems, including missing number problems, using number facts, place value, and more complex subtraction. | Subtract numbers with up to 4 digits using the formal written methods of columnar subtraction where appropriate. <br> Estimate and use inverse operations to check answers to a calculation. <br> Solve subtraction two step problems in contexts, deciding which operations and methods to use and why. | Subtract numbers mentally with increasingly large numbers. <br> Subtract whole numbers with more than 4 digits, including using formal written methods (columnar subtraction). $\begin{array}{r} 317726 \\ -\quad 28723 \\ \hline 19003 \\ \hline \end{array}$ <br> Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy. <br> Solve subtraction multi step problems in contexts, deciding which operations and methods to use and why. | Solve subtraction multi step problems in contexts, deciding which operations and methods to use and why. $$ <br> Perform mental calculations, including with mixed operations and large numbers. <br> Use their knowledge of the order of operations to carry out calculations involving the four operations. <br> Solve problems involving addition, subtraction, multiplication and division. <br> Use estimation to check answers to calculations and determine in the context of a problem, an appropriate degree of accuracy. |
| Multipli cation | Solve problems, including doubling, halving and sharing <br> Double 5 <br> Non-statutory Count in 2 s , 5 s | Count in multiples of twos, fives and tens. <br> Solve one step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher: i.e. lots of $3=$ | Recall and use multiplication facts for the 2,5 and 10 times tables, including recognising odd and even numbers. <br> Calculate mathematical statements for multiplication within the multiplication tables and write them using the multiplication (x) and equals (=) sign. <br> Solve problems involving multiplication using materials, | Use the multiplication tables they know to write and solve multiplication calculations including for 2-digit numbers times 1-digit numbers, using mental and progressing to formal written methods. | Recall and use multiplication and division facts for multiplication tables up to $12 \times 12$. <br> Count in multiples of 6, 7, 9, 25 and 1000. <br> Use place value, known and derived facts to multiply mentally, including multiplying by 0 and 1 ; multiplying together three numbers. $3 \times 2 \times 4=3 \times 8=$ | Identify multiples and factors, including finding all factor pairs of a number, and common factors of 2 numbers. <br> Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers. | Multiply multi-digit number up to 4 digits by a 2 -digit number using the formal written method of long multiplication. $\begin{array}{r} 2741 \\ \times \quad 66 \\ \hline 16446 \\ 164460 \\ \hline 180906 \\ \hline x \quad \end{array}$ <br> Perform mental calculations, including with mixed operations and |



|  |  | Put these counters into groups of two. How many groups are there? | Show that the multiplication of two numbers can be done in any order (commutative) and division of one number by another cannot. | objectives. <br> Put 24 apples into 8 equal groups. $\begin{array}{ll\|l\|l\|} \hline \because & 0 \cdot & 0 & 0 \\ \hline & 0 & 0 & 0 \\ \hline \end{array}$ | Jack is dividing 84 by 4 using place value counters 000000000000 | Divide whole numbers and those involving decimals by 10,100 and 1,000. | $496 \div 11$ becomes <br> Answer: $45 \frac{1}{11}$ <br> Divide numbers up to 4 digits by a 2digit number using the formal written method of short division, interpreting remainders according to the context. <br> Use factor pairs to support division of up to 4 digits by a 2-digit number. $9,840 \div 24=$ <br> Factors of 24 are 12 and 2. $\begin{aligned} & 9,840 \div 2=4,920 \\ & 4,920 \div 12=410 \end{aligned}$ <br> Perform mental calculations, including with mixed operations and large numbers. <br> Use their knowledge of the order of operations to carry out calculations involving the four operations. <br> Solve problems involving addition, subtraction, multiplication and division. <br> Use estimation to check answers to calculations and determine in the context of a problem, an appropriate degree of accuracy. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Times Tables |  |  | Recall and use multiplication and division facts for the 2,5 and 10 times tables. | Recall and use multiplication and division facts for the 3,4 and 8 multiplication tables. | Recall and use multiplication and division facts for multiplication tables up to $12 \times 12$. | No additional requirements - facts to $12 \times 12$ should be fully secured. | No additional requirements - facts to $12 \times 12$ should be fully secured. |
| Fraction s | Solve problems, including doubling, halving and sharing <br> Half of 6 | Recognise, find and name a half as one of two equal parts of an object, shape or quantity. <br> There are $\qquad$ sheep. <br> Half of $\qquad$ is $\qquad$ Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity. <br> Compare, describe and solve practical | Recognise, find, name and write fractions $1 / 3,1 / 4,2 / 4$ and $3 / 4$ of a length, shape, set of objects or quantity. <br> Write simple fractions for example, $1 / 2$ of $6=3$ and recognise the equivalence of $2 / 4$ and $1 / 2$. $\begin{array}{ll} \frac{1}{2} \text { of } 12=\square & \frac{1}{4} \text { of } 12=\square \\ \frac{1}{2} \text { of } 20=\square & \frac{1}{4} \text { of } 20=\square \end{array}$ | Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one digit numbers or quantities by 10 . <br> Three tenths $\frac{3}{10}$ <br> Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators. <br> Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with | Recognise and show (using diagrams) families of common equivalent fractions. <br> Solve problems involving increasingly harder fractions to calculate quantities, and fractions to divide quantities, including non-unit fractions where the answer is a whole number. <br> Add and subtract fractions with the | Compare and order fractions whose denominators are multiples of the same number. <br> Identify, name and write equivalent fractions of a given fraction, represented visually including tenths and hundredths. <br> Recognise mixed numbers and improper fractions and convert from one form to the other and write mathematical statements $>1$ as a mixed number [for example $2 / 5+4 / 5=6 / 5=11 / 5$ ]. <br> Add and subtract fractions with the same denominator and denominators that are multiples of the same number. | Use common factors to simplify fractions; use common multiples to express fractions in the same denomination. <br> Compare and order fractions, including fractions > 1 <br> Common denominator to compare $\frac{5}{6}$ : and $\frac{3}{4}$. <br> Multiples of 6: 6,12, 18,24 <br> Multiples of 4: 4, 8, 12, 16, <br> 12 is the LCM of 4 and 6 $\begin{gathered} \frac{5}{6}=\frac{10}{12} \quad \frac{3}{4}=\frac{9}{12} \\ \frac{10}{12}>\frac{9}{12} \end{gathered}$ |



| Decimal $\mathbf{s}$ |  | Recognise and know the value of different denominations of coins and notes. <br> Use < = > to compare the amounts: <br> 붕궁이웅 $\bigcirc$ (ㅏ) 장항아 $\bigcirc$ (4ㅏ) <br> (3) (2) (3) 1 ○ (2) (3) | Recognise and use symbols for pounds ( f ) and pence ( p ); combine amounts to make a particular value. | Add and subtract amounts of money to give change, using both $£$ and $p$ in practical contexts. | Count up and down in hundredths; recognise that hundredths arise when dividing an object by one hundred and dividing tenths by ten. <br> Recognise and write decimal equivalents of any number of tenths or hundredths. <br> Find the effect of dividing a one or two digit number by 10 or 100 , identifying the value of the digits in the answer as ones, tenths and hundredths. <br> Solve simple measure and money problems involving fractions and decimals to two decimal places. How long is the ribbon? The ribbon is __ metres long. <br> Convert between different units of measure [for example, kilometre to metre]. <br> Compare numbers with the same number of decimal places up to two decimal places. <br> Round decimals with one decimal place to the nearest whole number. <br> Recognise and write decimal equivalents to $14,1 / 2$ and $3 / 4$. <br> Find the effect of dividing a one or two digit number by 10 or 100 , identifying the value of the digits in the answer as ones, tenths and hundredths. | Read, write, order and compare numbers with up to three decimal places. <br> Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents. <br> 0.394 <br> $=3$ tenths, 9 hundredths and 4 thousandths $\begin{aligned} & =\frac{3}{10}+\frac{9}{100}+\frac{4}{1000} \\ & =0.3+0.09+0.004 \end{aligned}$ <br> Round decimals with two decimal places to the nearest whole number and to one decimal place. <br> Solve problems involving number up to three decimal places. <br> Recognise the per cent symbol (\%) and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal. <br> Solve problems which require knowing percentage and decimal equivalents of $1 / 2,1 / 4,1 / 5,2 / 5,4 / 5$ and those fractions with a denominator of a multiple of 10 or 25 . <br> Multiply and divide whole numbers and those involving decimals by 10,100 and 1000. <br> Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling. | Identify the value of each digit in numbers given to three decimal places and multiply numbers by 10 , 100 and 1000 giving answers up to 3 decimal places (dp). <br> Multiply one digit numbers with up to 2 dp by whole numbers. <br> Use written division methods in cases where the answer has up to two decimal places. <br> Solve problems which require answers to be rounded to specified degrees of accuracy. <br> Solve problems involving the calculation of and the use of percentages for comparison. Percentages. <br> For example $15 \%$ of $360=54$ <br> $10 \%$ of $360=36$ <br> $5 \%$ of $360=18$ <br> $36+18=54$ <br> Recall and use equivalences between simple FDP including in different contexts. |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | problems for：lengths and heights（for example，long／short， longer／shorter，

tall／short，double／half）． usumut，double／halt．
$\square \xrightarrow{\square}$

Measure and begin to record mass／weight， capacity and volume．
olve practica
problems for
mass／weight：［for example，heavy／light xample，heavy／light， heavier than，lighter han］；capacity and volume for example， ull／empty，more than， less than，half，half ful quarter］．
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## Recognise and know

 the value of different denominations of coins and notes．sequence events in chronological order using language［for example，before and after，next，first，today， yesterday，tomorrow， morning，afternoon and evening．

Recognise and use language relating to dates，including days of the week，weeks， months and years．
ell the time to the hour and half past the hour and draw the hands on a clock face to show these times．

Compare，describe and

Recognise and use symbols for pounds（ $£$ ）and pence（p）； combine amounts to make a particular value．

Find different combinations of coins that equal the same amounts of money． Make 50 p three ways using the coins below．

You can use the coins more than once．


Solve simple problems in a practical context involving addition and subtraction of money of the same unit， including giving change．

Choose and use appropriate standard units to estimate and measure length／height in any measure length／height in any
direction（ $\mathrm{m} / \mathrm{cm}$ ）；mass（ $\mathrm{kg} / \mathrm{g}$ ）； temperature ${ }^{\circ} \mathrm{C}$ ）；capacity temperature c）；capacity （litres $/ \mathrm{ml}$ ）to the nearest
appropriate unit，using rulers， appropriate unit，using rulers，
scales，thermometers and scales，thermometers
measuring vessels．

Compare and order lengths， mass，volume／capacity and record the results using $>$ ，＜and

Compare the measurements using＜，＞ or $=$
$55 \mathrm{~cm}+10 \mathrm{~cm} \bigcirc 55 \mathrm{~cm}-10 \mathrm{~cm}$
$42 m+6 m \bigcirc 42 m+7 m$
$\begin{aligned} & 6 \mathrm{~cm}-5 \mathrm{~cm} \\ & 80 \mathrm{~m}-5 \mathrm{~m}\end{aligned} \bigcirc 6 \mathrm{~m}-5 \mathrm{~m}$
Tell and write the time to five minutes，including quarter past／to the hour and draw the hands on a clock face to show these times．

Know the number of minutes in an hour and the number of hours in a day．

Compare and sequence intervals of time．

Add and subtract amounts of money practical contexts．

Measure，compare，add and subtract：lengths（ $\mathrm{m} / \mathrm{cm} / \mathrm{mm}$ ）；mass （kg／g）；volume／capacity $/ / \mathrm{ml}$ ）．
What stre lenghtof esch penclif
…．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．．


Rosie keeps a record d f f ow much milk she has in her cafe．
Work out how much miki s s sed for each order．


Measure the perimeter of simple 2D shapes．


Tell and write the time from an analogue clock，including using Roman numerals from I to XII and 12 hour and 24 hour clocks．

Estimate and read time with increasing accuracy to the nearest minute．

Record and compare time in terms of seconds，minutes and hours．

Use vocabulary such as o＇clock， a．m．／p．m．，morning，afternoon，noon and midnight．

Know the number of seconds in a minute and the number of days in each month，year and leap year．

Compare durations of events［for example to calculate the time taken by particular events or tasks］．

| TVProsemme | sort 7 me | fromitiol | auten |
| :---: | :---: | :---: | :---: |
| Pads | osso | 0730 |  |
| Camber | 1515 | 1815 |  |
| Toteotal | 1200 | 1400 |  |
| Mastenve | 10.00 | 1240 |  |

stimate，compare and calculate in pounds and pence．

Two classes save their pennies for a year．
Class A saves 3,589 pennies．
Class B saves 3,859 pennies．
Which class saves the most money？
Solve simple measure and money problems involving fractions and decimals to two decimal places．

Ron has $\& 48$ He spends one
quanere of his money
How much does he have left？
Use the bar model to helel？


Find the area of rectilinear shapes by counting squares．


Measure and calculate the perimeter of a rectilinear figure（including squares）in centimetres and metres．


Convert between different units of measure［for example，kilometre to metre］．

| $3.000 \mathrm{~m}=$－ km | $8 \mathrm{~km}=$ |
| :---: | :---: |
| $5 \mathrm{~km}=$－ m | $3 \mathrm{~km}+6 \mathrm{~km}=$ |
| $500 \mathrm{~m}=\ldots \mathrm{km}$ | $250 \mathrm{~m}=\ldots \ldots \mathrm{km}$ |

Read，write and convert time between analogue and digital 12 and 24 hour clocks．

Solve problems involving converting from hours to minutes；minutes to from hours to minutes；minutes to
seconds；years to months；weeks to

Measure and calculate the perimeter of
comear shapes in


Calculate and compare the are rectangles（including squares）， including using standard units，square centimetres $\left(\mathrm{cm}^{2}\right)$ and square metres $\left(\mathrm{m}^{2}\right)$ ，and estimate the area of irregular shapes．


Convert between different units of metric measure［for example，km and $\mathrm{m} ; \mathrm{cm}$ and $\mathrm{m} ; \mathrm{cm}$ and mm ； g and kg ；I and ml$]$ ．

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(-1000]
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Understand and use approximate equivalences between metric units and common imperial units such as inches， pounds and pints．

Solve problems involving converting between units of time．

Estimate volume［for example using 1 cm 3 blocks to build cuboids（including cubes）］and capacity［for example， using water］．

Use all four operations to solve problems involving measure．

Solve problems involving the calculation and conversion of units of measure，using decimal notation up to three decimal places where appropriate．

Use，read，write and convert between standard units，converting measurements of length，mass， volume and time from a smaller unit of measure to a larger unit，and vice versa，using decimal notation to up to 3 dp ．

 miluer（min） （ 0
Convert between miles and kilometres．


Recognise that shapes with the same areas can have different perimeters and vice versa．
Shapes with the same area can have different perimeters．

 Shapes with the same perimeter can have different treas


Recognise when it is possible to us formulae for area and volume of
base $\times$ perpendiculter height $=$ area of a parallelegram

shapes：
Length x width $=$ area becomes $\mathrm{l} \times \mathrm{w}=\mathrm{a}^{2}$
Length x width x height $=$ volume becomes $1 \times w \times h=v^{3}$

Calculate the area of parallelograms and triangles．


|  |  |  | describe position, direction and movement including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three quarter turns (clockwise and anti-clockwise). <br> Match the turn to the description. <br> Order and arrange combinations of mathematical objects in patterns and sequences. Dora says that the $12^{\text {th }}$ shape in this pattern will be a triangle. |  |  <br> Plot specified points and draw sides to complete a given polygon. i.e. plot 2 more points to make a square. $\qquad$ <br> Describe movements between positions as translations of a given unit to the left/ right and up/down. | appropriate language, and know that the shape has not changed. |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Statistic |  |  | Interpret and construct simple pictograms, tally charts, block diagrams and simple tables. <br> Ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity. <br> Ask and answer questions about totalling and comparing categorical data. $\qquad$ $\qquad$ $\qquad$ $\qquad$ get than Class 5 ? How many points did Class 2 and $\qquad$ | Interpret and present data using bar charts, pictograms and tables. <br> Solve one step and two step questions [for example, 'How many more?' and 'How many fewer?'] using information presented in scaled bar charts and pictograms and tables. | Interpret and present discrete and continuous data using appropriate graphical methods, including bar charts and time graphs. <br> What is the most/least popular way to get to school? How many children walk to school? <br> The graph shows the temperature in the playground during a morning in April. morning in April. <br> Solve comparison, sum and difference problems using information presented in bar charts, pictograms, tables and other graphs. | Solve comparison, sum and difference problems using information presented in a line graph. <br> Complete, read and interpret information in tables including timetables. | Interpret and construct pie charts and line graphs and use these to solve problems. <br> Calculate the mean as an average. For example, here are the scores of 5 netball matches: <br> $3,6,4,4,3$ <br> To find the mean average, add all the scores up (20) and divide by the number of scores (5). $20 \div 5=4$ The mean average is 4 . |
| Additio nal areas of study |  |  | - | - | - | - | Algebra: <br> Use simple formulae. $\text { Input } \longrightarrow+5 \longrightarrow \text { Output } \longrightarrow 2 \longrightarrow \longrightarrow \text { O } \longrightarrow+3$ <br> Generate and describe linear number sequences. |



