

SPRING 2
Fractions, decimals $\&$ percentages: Use division to solv
problems problems / convert between decimals and fractions / convert
fractions to percentages / order $\mathrm{FDP} /$ find percentages of an amount.
Area, perimeter \& volume: Calculate missing lengths when
shapes have the same area / calculuate the ereae of a trinenge shapes have the same area / calculutate the area of a t triangle /
calculate the area of a parallelogram / calculate the volume of cublubid
cubl
Statict
 Use line graphs to solve problems / read
/draw pie charts / calculate the mean

| ING 2 | 1 |
| :---: | :---: |
| Decimals and percentages: | Shape: Measure ang |
| Understand thousandths/ round | actor / draw lines and angles accurately / ca |
| decimals / order \& compare | s on a straight line / calculate angles around a po |
|  |  |
| as fractions \& decimals / Know |  |
| and use equivalent FDP. | Position \& direction: Read and plot coordinates in the |
| Perimeter and are: Measureprimeter cacuat eerimeter $\begin{aligned} & \text { quadrant/ } / \text { traslat } \\ & \text { reflect shapes on a }\end{aligned}$ |  |
| / calculate the area of rectangles complements to 1. |  |
| Statistics: Read and interpretline graphs / draw line graphs / | SPRING 1 |
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| problems / read and interpret tables / read and interpret two |  |
|  | digits by 1 -digit/ divide with remainders. |
| way tables / $/$ read and interret timetables. | Fractions B: Multiply unit fractions by an integer / |
|  |  |
|  | / calculate fractions of an amount / usi |
|  | operators / fraction problem solving. |
|  | Decimals and percentages: Identify lace value in decimals |
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| SPRING 1 <br> Ratio: Use ratio language / use the ratio symbol / calculate ratio / use scale factors / calculate scale factors / solve ratio and proportion problems. <br> Algebra: Find a rule - one and two step / form expressions / substitute into expressions / substitute into formulae / form equations / solve one and two-step equations / find pairs of values to solve equations. <br> Decimals: Compare and order decimals up to 3dp / multiply and divide by 10,100 and 1000 . Multiply \& divide decimals by integers. |
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| AUTUMN 2 <br> Multipication \& division: Identify square and cube numbers multiply by 10,100 and 1000 . divide by 10,100 and 1000 / Identify multiples of 10,100 and 1000 . <br> Fractions A: Identify equivalent fractions / Convert between improper fractions and mixed numbers / continue number sequences involving fractions / compare and order fractions less than 1 / compare and order fractions greater than 1 / add \& subtract fractions/add fractions within $1 /$ add 3 or more fractions / add \& subtract mixed numbers / subtraction breaking the whole / subtract 2 mixed numbers. |
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| AUTUMN 1 SUMMER 2 |  |  |
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| Place value: Understand place value for numbers up to $10,000 /$ round |  | Consolidation: 1 week. |
| to the nearest 10,100 and $1000 /$ understand place value for uumbers |  | Shape: Identify angles / compare and order angles / recognise |
|  |  | ${ }^{\text {desecribe } 20}$ Shapes / identify properties of triangles $/$ Identify |
| D.000s / / compare and order numbers to one million / round numbers |  | rric figure. |
| Addition \& s subtraction: Add \& subtract numbers with more th |  | tistics: Interpret |
| dipits ccolun method)/ /rund to estimate and daproximate / use |  | inter |
|  |  | Position \& direction: Describe position |
|  |  | shapes on a grid / move a shape on a grid / describe movement on a grid. |


| SUMMER 1 <br> Decimals: Make a whole / / round decimals / find equ quarters. <br> Money: Count money in po estimate money/give chan money. <br> Time: Recap and consolida to 5 mins \& to the minute, time from a 24 -hour clock analogue clock to digital (1 |
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| AUTUMN 2 <br> Addition and subtraction: Use efficient subtraction strategies / estimate answers / check addition \& subtraction strategies <br> Area: Count squares to find the area of shapes / make shapes with a given area / compare areas. Multiplication \& division: Multiply by 10 \& 100 /divide by $10 \& 100$ / multiply by 1 and 0 / divide by 1 and itself / multiply and divide by 6,9 and 7/ Recall and use 6,9 and 7 -times table and division facts. Consolidation: 1 week. |
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| SPRING 1 <br> Multiplication and Division: Recall and use 11 and 12 times-table and division facts / multiply 3 numbers / identify factor pairs / use efficient multiplication strategies / use written methods for multiplication/ multiply and divide 2 -digits and 3 -digits by 1 -digit / answer correspondence problems. Length \& perimeter: Find the perimeter by counting squares on a grid / calculate the perimeter of a rectangle / calculate the perimeter of rectilinear shapes Fractions: Recap and consolidate Y3 fractions work - |
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SPRING 2





## Cractions: Receap and consolidate Y $Y$ fractions worl

| AUTUMN2 <br> and subtraction: Add and subtract 3-digit and 2-digit numbers - not crossing and crossing. Add and subtract 100s/ spot the pattern - making it explicit / solve mixed addition and subtraction problems / add two 3 -digit numbers - not crossing and crosing 10 or 100 / estimate answers to calculations / check answers to calculations. <br> Multipilication and division: Use equal groups for multipicication / multiply and divide by 3,4 and 8 / Recall facts from the 3,4 |
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## SPRING 1

Money: Recognise coins and notes/ count money in pencel
count money in pounds (notes and coins)/ count money using hotes and coins / select mones / make the same amount/ compare money / ind the
solve wo.step problems
solve two-step problems.
Multiplication and division: make equal groups / redistribute




## SPRING

 Multipicication and division: divide by 2 / identify odd and Length \& height: compare lengths and h he Length in heignt: compare lengths and heights / measurelem $m$ / compare lengths / order le lengths / use
the four operations with lith the four
lengths.
lengths.
Mass, capacity \& temperature: Compare mass / measure
mass in rams and kilograms / compare volume / measure mass in grams and kilograms / compare volume / measure
volume in millilitres and litres / /use the feur volume in millilitres and litres / use the four operations with
volume / Read temperature from a scale / problem solving

## SUMMER 1

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| wholes /make equal parts | wholes / make equal parts I ecognize a half /find a halff

recognise a quarter / find a quarter/ receognise a third / find athird / find unit fractions of a a shape / understand the quarters / find three quarters count in fractions / prob
solving with fractions.

Iime: telling the time to the hour I telling the time to the half hour
I telling the time - quarter past telling the time - quarter past
and quarter to / telling the time 105 minutes / writing time / calculate with hours and days/
find durations of time / comp ind durations of tim

