Year 6: Autumn Medium Term Plan:


| Place Value within 10.000,000 |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: |
| NC Objective: <br> -Read, write, order and compare numbers up to $10,000,000$ and determine the value of each digit. <br> $\bullet$ Round any whole number to a required degree of accuracy. <br> - Use negative numbers in context, and calculate intervals across zero. <br> - Solve number and practical problems that involve all of the above |  |  |  |  |
| Week | Small step | Key Questions | Notes and Guidance | Assessment |
|  | Numbers to ten Millions | What does a zero in a number represent? What strategy do you use to work out the divisions on a number line? <br> How many ways can you complete the partitioned number? | Children need to read, write and represent numbers to ten million in different ways. Numbers do not always have to be in the millions-they should see a mixture of smaller and larger numbers. |  |
|  | Compare and order any number | What is the value of each digit? <br> What is the value of $\qquad$ in this number? What is the value of the whole? <br> Can you suggest other parts that make the whole? <br> Can you write a story to support your part whole model? | Children will compare and order numbers up to ten million using numbers presented in different formats. They should use correct mathematical vocabulary (greater than/less than) alongside inequality symbols. |  |
|  | Round any number | Why do we round up if the following digit is 5 or above? <br> Which place value column do we need to look at when we round to the nearest 100,000? <br> What is the purpose of rounding? <br> When is it best to round to 1,000 ? 10,000 ? | Children build on their prior knowledge of rounding. They will learn to round any number within ten million. They use their knowledge of multiples to work out which two numbers the number they are rounding sits between. |  |


|  |  | Can you justify your reasoning? |  |  |
| :--- | :--- | :--- | :--- | :--- |
|  | Negative | Are negative numbers whole numbers? | Children continue their work on negative |  |
| Numbers | Why do the numbers on a number line <br> mirror each other from 0? <br> Why does positive one add negative one <br> equal zero? | forwards and backwards through zero. <br> They extend their learning by finding <br> intervals across zero. Children need to <br> Draw me a picture to show 5 subtract 8 | see negative numbers in context. |  |
|  |  |  |  |  |

Four Operations:

## NC Objectives:

-Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why.

- Multiply multi-digit number up to 4 digits by a 2-digit number using the formal written method of long multiplication.
$\bullet$ Divide numbers up to 4 digits by a 2-digit whole number using the formal written method of long division, and interpret remainders as whole number remainders, fractions, or by rounding as appropriate for the context.
$\bullet$ Divide numbers up to 4 digits by a 2-digit number using the formal written method of short division, interpreting remainders according to the context.
- Perform mental calculations, including with mixed operations and large numbers.
- Identify common factors, common multiples and prime numbers.
$\bullet$ Use their knowledge of the order of operations to carry out calculations involving the four operations.
-Solve problems involving addition, subtraction, multiplication and division.
- Use estimation to check answers to calculations and determine in the context of a problem, an appropriate degree of accuracy.

| - Use estimation to check answers to calculations and determine in the context of a problem, an appropriate degree of accuracy. |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- |
|  | Add and subtract <br> whole numbers | What happens when there is more than 10 <br> in a place value column? <br> Can you make an exchange between <br> columns? <br> How can we find the missing digits? <br> Can we use the inverse? <br> Is column method always the best method? <br> When should we use our mental methods? | Children consolidate their knowledge of <br> column addition and subtraction. They <br> use these skills to solve multi step <br> problems in a range of contexts. |  |
|  | Multiply up to a 4 <br> digit number by a <br> $\mathbf{1}$ digit number | What is important to remember as we begin <br> multiplying by the tens number? <br> How would you draw the calculation? <br> Can the inverse operation be used? <br> Is there a different strategy that you could | Children consolidate their knowledge of <br> column multiplication, multiplying <br> numbers with up to 4 digits by a 2-digit <br> number. They use these skills to solve <br> multi step problems in a range of |  |


|  |  | use? | contexts. |  |
| :--- | :--- | :--- | :--- | :--- |
|  | Short division | What is different between dividing by 1 digit <br> and 2digits? <br> If the number does not divide into the ones, <br> what do we do? <br> Do we need to round our remainders up or <br> down? <br> Why does the context affect whether we <br> round up or down? | Children build on their understanding of <br> dividing up to 4-digits by 1-digit by now <br> dividing by up to 2-digits. They use the <br> short division method and focus on <br> division as grouping. Teachers may <br> encourage children to list the multiples <br> of the number to help them solve the <br> division more easily. |  |
|  | Division using <br> Factors | What is a factor? <br> How does using factor pairs help us to <br> answer division questions? <br> Do you notice any patterns? <br> Does using factor pairs always work? <br> Is there more than one way to solve a <br> calculation using factor pairs? <br> What methods can be used to check your <br> working out? | Children need to use their number sense, <br> specifically their knowledge of factors to <br> be able to see relationships between the <br> divisor and dividend. Beginning with <br> multiples of 10 and moving on will allow <br> the children to see the relationship <br> before progressing forward. |  |
|  | Long division (1) | How can we use our multiples to help us <br> divide by a 2-digit number? <br> Why are we subtracting the totals from the <br> starting number (seeing division as repeated <br> subtraction)? <br> In long division, what does the arrow <br> represent? (The movement of the next digit <br> coming down to be divided) | Children are introduced to long division <br> as a different method of dividing by a- <br> digit number. They divide3-digit numbers <br> by a-digit number without remainders <br> moving from a more expanded method <br> with multiples shown to the more formal <br> long division method. |  |
| Long division (2) | How can we use our multiples to help us <br> divide by a-digit number? <br> Why are we subtracting the totals from the <br> beginning number? (Seeing division as <br> repeated subtraction) <br> In long division, what does the arrow <br> represent? (The movement of the next digit | Building on using long division with 3- <br> digit numbers, children divide four-digit <br> numbers by 2-digits using the long <br> division method. They use their <br> knowledge of multiples and multiplying <br> and dividing by 10 and 100 to calculate <br> more efficiently. |  |  |


|  |  | coming down to be divided) |  |
| :--- | :--- | :--- | :--- | :--- |
|  | Long division (3) | How can we use our multiples to help us <br> divide? <br> What happens if we cannot divide our ones <br> exactly by our divisor? <br> How do we show what we have left over? <br> Why are we subtracting the totals from the <br> starting number? (Seeing division as <br> repeated subtraction) <br> Does the remainder need to be rounded up <br> or down? | Children now divide using long division <br> where their answers have remainders. <br> After dividing, they check that their <br> remainder is smaller than their divisor. <br> Children start to understand when <br> rounding is appropriate to use for <br> interpreting the remainder and when the <br> context means that this is not applicable. |
|  | Long division (4) | How can we use our multiples to help us <br> divide? <br> What happens if we cannot divide our ones <br> exactly by our divisor? <br> How do we show what we have left over? <br> Why are we subtracting the totals from the <br> starting amount? (Seeing division as <br> repeated subtraction) <br> Does the remainder need to be rounded up <br> or down? | Children now divide four-digit numbers <br> using long division where their answers <br> have remainders. After dividing, they <br> check that their remainder is smaller <br> than their divisor. <br> Children start to understand when <br> rounding is appropriate to use for <br> interpreting the remainder and when the <br> context means that it is not applicable. |
|  | Common Factors | How do you know you have found all the <br> factors of a given number? <br> Have you used a system? <br> Can you explain your system to a partner? <br> How does a Venn diagram show common <br> factors? <br> Where are the common factors? | Children find the common factors of two <br> numbers. Some children may still need to <br> use arrays and other representations at <br> this stage but mental methods and <br> knowledge of multiples should be <br> encouraged. They can show their results <br> using Venn diagrams and tables. |
| Common |  |  |  |
| Multiples | Is the lowest common multiple of a pair of <br> numbers always the product of them? <br> Can you think of any strategies to work out <br> the lowest common multiples of different <br> numbers? | Building on knowledge of multiples, <br> children find common multiples of <br> numbers. They should continue to use a <br> visual representation to support their <br> thinking. They also use more abstract |  |


|  | When do numbers have common multiples that are lower than their product? | methods to calculate the multiples and use numbers outside of times table facts |  |
| :---: | :---: | :---: | :---: |
| Primes | What is a prime number? <br> What is a composite number? <br> How many factors does a prime number have? <br> Are all prime numbers odd? <br> Why is 1 not a prime number? <br> Why is 2 a prime number? | Building on their learning in year 5, children should know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers. They should be able to use their understanding of prime numbers to work out whether or not numbers up to 100 are prime. Using primes, they break a number down into its prime factors. |  |
| Squares and Cubes | What do you notice about the sequence of square numbers? <br> What do you notice about the sequence of cube numbers? <br> Explore the pattern of the difference between the numbers. | Children have identified square and cube numbers previously and now need to explore the relationship between them and solve problems involving these numbers. They need to experience sorting the numbers into different diagrams and look for patterns and relationships. They need to explore general statements. This step is a good opportunity to practice efficient mental methods of calculation. |  |
| Order of operations | Does it make a difference if you change the order in a mixed operation calculation? <br> What would happen if we did not use the brackets? <br> Would the answer be correct? <br> Why? | Children will look at different operations within a calculation and consider how the order of operations affects the answer. The following image is useful when referring to the order of operations. |  |
| Mental calculations and | Is there an easy and quick way to do this? Can you use known facts to answer the | We have included this small step separately to ensure that teachers |  |


|  | estimation | problem? <br> Can you use rounding? <br> Does the solution need an exact answer? <br> How does knowing the approximate answer <br> help with the calculation? | emphasise this important skill. <br> Discussions around efficient mental <br> calculations and sensible estimations <br> need to run through all steps. Sometimes <br> children are too quick to move to <br> computational methods, when changing <br> the order leads to quick mental methods <br> and solutions. |
| :--- | :--- | :--- | :--- | :--- |
|  | Reason from <br> Known facts. | What is the inverse? <br> When do you use the inverse? <br> How can we use multiplication/division facts <br> to help us answer similar questions? | Children should use their understanding <br> of known facts from one calculation to <br> work out the answer of another similar <br> calculation without starting afresh. They <br> should use reasoning and apply their <br> knowledge of commutativity and inverse <br> operations. |

## Geometry: Position and Direction

## NC objectives:

-Describe positions on the full coordinate grid (all four quadrants)
$\bullet$ Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.

|  | The first Quadrant | Which axis do we look at first? <br> Does joining up the vertices already given <br> help you to draw the shape? <br> Can you draw a shape in the first quadrant <br> and describe the coordinates of the vertices <br> to a friend? | Children recap work from Year 4 and <br> Year 5 by reading and plotting <br> coordinates. <br> They draw shapes on a 2D grid from <br> coordinates given and use their <br> increasing understanding to write <br> coordinates for shapes with no grid lines. |  |
| :--- | :--- | :--- | :--- | :--- |
|  | Four Quadrants | Which axis do we look at first? <br> If (0, 0) is the centre of the axis (the origin), <br> which way do you move on the $x$ axis to find <br> negative coordinates? <br> Which way do you move on the $y$ axis to find <br> negative coordinates? | Children use knowledge of the first <br> quadrant to read and plot coordinates in <br> all four quadrants. They draw shapes <br> from coordinates given. Children need to <br> become fluent in deciding which part of <br> the axis is positive or negative. |  |
|  | Translations | What does translation mean? | Children use knowledge of coordinates |  |


|  |  | Which point are you going to look at when <br> describing the translation? <br> Does each vertex translate in the same way? | and positional language to translate <br> shapes in all four quadrants. They <br> describe translations using direction and <br> use instructions to draw translated <br> shapes |
| :--- | :--- | :--- | :--- | :--- |
|  | Reflections | How is reflecting different to translating? <br> Can you reflect one vertex at a time? <br> Does this make it easier to reflect the shape? | Children extend their knowledge of <br> reflection by reflecting shapes in four <br> quadrants. They will reflect in both the $x$ <br> and the $y$-axis. Children should use their <br> knowledge of coordinates to ensure that <br> shapes are correctly reflected. |

## Fractions:

## NC Objectives:

## - Use common factors to simplify fractions

- use common multiples to express fractions in the same denomination.
- Compare and order fractions, including fractions >1
- Generate and describe linear number sequences (with fractions)
-Add and subtract fractions with different denominations and mixed numbers, using the concept of equivalent fractions.
$\bullet$ Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example $14 \times 1$ 2=1 8]
- Divide proper fractions by whole numbers [for example $13 \div 2=16$ ]
-Associate a fraction with division and calculate decimal fraction equivalents [ for example, 0.375] for a simple fraction [for example 1 8]
$\bullet$ Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts.

|  | Simplify Fractions | In order to make a simpler fraction, which <br> direction do you move on the fraction wall? <br> Up or down? <br> Is the most efficient method dividing by <br> two? Explain your reasoning. <br> What is the highest common factor of the <br> numerator and the denominator? <br> How does this help you when simplifying? | Children build on their knowledge of <br> factors to help them simplify fractions. <br> They must choose which method is most <br> efficient. Is it identifying if the <br> denominator is a multiple of the <br> numerator, or is it finding a highest <br> common factor? |  |
| :--- | :--- | :--- | :--- | :--- |
|  | Fractions on a <br> number line | How are the number lines similar and <br> different? <br> Are there any other fractions we can place | Children use their knowledge of <br> equivalent fractions and ordering <br> fractions to place fractions on a number |  |


|  |  | on the number line? Which fractions can't <br> be placed on the number line? <br> Which method have you used to help you <br> place improper fractions on a number line? | line. They can draw their own divisions to <br> help them place the fractions more <br> accurately. |
| :--- | :--- | :--- | :--- | :--- |
|  | Compare and <br> order fractions <br> (denominator) | What has happened to the original <br> fractions? <br> What do you notice about the original <br> denominators and the new denominator? <br> Explain what has happened. <br> What do you notice? <br> How do you find a common denominator? <br> What else could the common denominator <br> be? | Children build on their equivalent <br> fraction and common multiple <br> knowledge to compare and order <br> fractions where the denominators are <br> not always multiples of the same <br> number. |
| Compare and | What's the same and what's different about <br> the fractions on the bar model? <br> order fractions <br> (numerator) <br> Can we create a rule? <br> denominators are the same? <br> Can you find a common numerator to help <br> you compare? <br> How will you do this? <br> Why is finding a common numerator the <br> most efficient method? <br> What do you notice about all the <br> denominators? <br> How can we find a common numerator? | To build on finding common <br> denominators, children explore how <br> finding a common numerator can be <br> effective too. <br> It's important for children to develop <br> number sense and discover which is the <br> most effective strategy for a range of <br> questions. |  |

$\left.\begin{array}{|l|l|l|l|l|}\hline & & \text { Explain your method. } & \begin{array}{l}\text { common denominator not just any } \\ \text { common denominator. }\end{array} \\ \hline & \begin{array}{ll}\text { Add and subtract } \\ \text { fractions (2) }\end{array} & \begin{array}{l}\text { What do you notice about your answer? } \\ \text { Can you convert it back into a mixed } \\ \text { number? } \\ \text { How might we approach this question? } \\ \text { Do we need to convert the mixed number } \\ \text { into an improper fraction? Explain why. } \\ \text { Which is the most efficient method. } \\ \text { Could you show me how you might use a } \\ \text { number line to answer this question? } \\ \text { Can you explain how you might solve this } \\ \text { mentally? }\end{array} & \begin{array}{l}\text { Children are to build on their knowledge } \\ \text { of adding and subtracting fractions } \\ \text { within 1, finding common denominators } \\ \text { and applying it to mixed numbers. At this } \\ \text { stage children may choose to deal with } \\ \text { the whole numbers and fractions } \\ \text { separately, or convert the mixed } \\ \text { numbers to improper fractions. Can they } \\ \text { prove and explain why both methods } \\ \text { work in this case? When might it not } \\ \text { work? }\end{array} \\ \hline \text { Add Fractions } & \begin{array}{l}\text { How can we represent 2/ 5and 4/ 5on a } \\ \text { number line? } \\ \text { When adding two fractions with sixths, how } \\ \text { will we split our number line? } \\ \text { What do you notice is happening when you } \\ \text { add fractions with the same denominator? } \\ \text { What can we do if our denominators are } \\ \text { different? }\end{array} & \begin{array}{l}\text { To build on knowledge of adding } \\ \text { fractions, children now add fractions that } \\ \text { give a total greater than one. It is } \\ \text { important that children are exposed to a } \\ \text { range of examples e.g. adding improper } \\ \text { fractions and mixed numbers. }\end{array} \\ \hline & \text { Subtract Fractions } & \begin{array}{l}\text { Which fraction is greatest? } \\ \text { How do you know? } \\ \text { We must look at the whole numbers to help } \\ \text { us. } \\ \text { Have we still got the same fraction? } \\ \text { How do you know? } \\ \text { What are the five wholes made up of? } \\ \text { How do you know? } \\ \text { Can you use one of these wholes to help you } \\ \text { complete the calculation? } \\ \text { What calculation will we complete to solve } \\ \text { the problem? }\end{array} & \begin{array}{l}\text { Children build on their knowledge of } \\ \text { subtracting fractions. This small step } \\ \text { encourages children to use one of their } \\ \text { wholes to create a new mixed number } \\ \text { fraction so they can complete the } \\ \text { calculation. It is vital that children know } \\ \text { that fractions such as 3 } 1 / 4 \text { and 2 5/4 are } \\ \text { equal. }\end{array} & \end{array}\right\}$

|  | Mixed addition <br> and subtraction | What other calculations could you write <br> using the bar model? Can you draw a bar <br> model to show the second calculation? <br> Where would the '?' go? Explain how you <br> know the fraction can be simplified. How <br> many different ways can you show 6 7 /30? <br> How might these different representations <br> help you solve the calculation? | Children are given the opportunity to <br> consolidate adding and subtracting <br> fractions. The examples provided <br> encourage the use of the bar model, <br> part-whole models and word problems <br> which include mixed numbers and <br> improper fractions. |
| :--- | :--- | :--- | :--- | :--- |
|  | Multiply fractions <br> by integers | How could you represent this fraction? <br> What is the denominator? <br> How do you know? <br> How many whole pieces do we have? <br> What is multiplying fractions similar to? <br> (repeated addition) <br> Why have you chosen to represent the <br> fraction in this way? <br> How many wholes are there? <br> How many parts are there? | Children will use their understanding of <br> fractions to multiply whole numbers and <br> fractions together. It is important that <br> they experience varied representations <br> of fractions. They must also be able to <br> multiply whole numbers and mixed <br> numbers. |
|  | Multiply fractions <br> by fractions | Using a piece of paper/drawing: Show me a <br> whole, show me thirds, now split each third <br> in half. Shade one section. What fraction do <br> you have? What do you notice about the <br> numerators and denominators when they <br> are multiplied? | Children will use their understanding of <br> multiplying fractions by an integer and <br> find the link between multiplying <br> fractions by fractions. It is important that <br> children see the link between multiplying <br> fractions by whole numbers and fractions <br> by fractions. |
| Divide fractions |  |  |  |
| by integers (1) | How could you represent this fraction? How <br> many parts of the whole are there? How do <br> you know? <br> How do you know how many parts to shade? <br> Is the numerator divisible by the whole <br> number? <br> Why doesn't the denominator change? What <br> have you chosen to represent the fraction in | Children will use their understanding of <br> fractions to divide fractions by whole <br> numbers. In this small step they will <br> focus on examples where the numerator <br> is directly divisible by the divisor. It is <br> important that they experience varied <br> representations of fractions in different <br> contexts. |  |


|  | this way? |  |  |
| :---: | :---: | :---: | :---: |
| Divide fractions by integers (2) | How could you represent this fraction? Which parts should you shade? <br> What would happen if we divided each eighth into two? <br> How many pieces would we have in total? <br> How many sub-parts would you divide each section into? <br> What is the value of the denominator? <br> What is the value of the numerator? <br> Can it be simplified? | Children will continue to divide fractions by integers, this time including fractions where the numerator isn't directly divisible by the integer. They should learn how to represent the fractions and divide it visually. They may find an alternative strategy for dividing fractions during this process. |  |
| Four rules with Fractions | What does it mean when we have a number or a fraction in front of the bracket? <br> Which operation should we use first? Why? Is there another way we could answer this? What would happen if we did not use the brackets? <br> Would the answer be correct? Why? | During this small step children will apply the rules of the four operations when working with fractions. They may need to be reminded of which operations to use first. |  |
| Fraction of an amount | How can you represent the problem? How many parts should the bar model be split into? <br> How many parts should you shade? <br> What is the value of the whole? <br> What is the value of the part? <br> How many parts are shaded? <br> So what is the value of the shaded bit? | Children will start to calculate fractions of an amount. They should recognise that the denominator is the number of parts the amount is being divided into, and the numerator is the amount of those parts we want. A bar model will help children visualise and calculate fractions of an amount |  |
| Fraction of an amount- find the whole | How could you represent this fraction? Which parts should you shade? What is the value of the shaded parts? What is the value of one part? What is the value of the whole? | Children will learn how to find the whole amount from the known value of a fraction. Children should use their knowledge of finding fractions of amounts and apply this when finding the whole amount |  |

## Decimals

NC objectives:
$\bullet$ Identify the value of each digit in numbers given to $\mathbf{3}$ decimal places and multiply numbers by 10,100 and 1,000 giving answers up to 3 decimal places.

- Multiply one-digit numbers with up to 2 decimal places by whole numbers.
- Use written division methods in cases where the answer has up to 2 decimal places.
-Solve problems which require answers to be rounded to specified degrees of accuracy.



|  |  | than 0.5? Why? | children convert from a decimal to a <br> fraction, they simplify the fraction to <br> help to show patterns. |
| :--- | :--- | :--- | :--- | :--- |
|  | Fractions to <br> decimals (1) | How many tenths are equivalent to one <br> hundredth? <br> How would you convert a fraction to a <br> decimal? <br> Which is the most efficient method? Why? | At this point children should know <br> common fractions as decimals, including <br> thirds, quarters, fifths and eighths. <br> Children learn that finding an equivalent <br> fraction where the denominator is 10, <br> 100 or 1,000 makes it easier to convert <br> from a fraction to a decimal. They <br> investigate the most efficient method to <br> convert fractions to decimals, for <br> example, converting twentieths to <br> hundredths or tenths depending on the <br> numerator. |
| Fractions to |  |  |  |
| decimals (2) | Do we divide the numerator by the <br> denominator or divide the denominator by <br> the numerator? Explain why. <br> When do we need to exchange? <br> Are we grouping or are we sharing? Explain <br> why. | It is important that children recognise <br> that $3 / 4$ is the same as 3 $\div 4$. They can use <br> this understanding to find fractions as <br> decimals by then dividing the numerator <br> by the denominator. In the example <br> provided, we cannot make any equal <br> groups of 5 in the ones column so we <br> have exchanged the 2 ones for 20 tenths. <br> Then we can divide 20 into groups of 5 |  |

## NC objectives:

- Solve problems involving the calculation of percentages [for example, of measures and such as $15 \%$ of 360 ] and the use of percentages for comparison.
$\bullet$ Recall and use equivalences between simple fractions, decimals and percentages including in different contexts.

| Fractions to |  |
| :--- | :--- |
| percentages | What does the word 'percent' mean? How <br> can you represent this? Which denominator <br> is the easiest to convert into a percentage? <br> Why is this easiest? Which other <br> denominators are easier to convert into |

It is important that children understand that 'percent' means 'out of 100 ', therefore they will need to use their knowledge of equivalent fractions to make the denominator 100 Children will


|  |  |  | then divide the amount by 5, or they <br> could add two lots of 10\% |  |
| :--- | :--- | :--- | :--- | :--- |
|  | Percentages- <br> missing values | Is there more than one way to solve the <br> problem? <br> What is the most efficient way to find <br> What diagrams could help you visualise this <br> problem? | Children use their understanding of <br> finding percentages of amounts to find <br> missing values. They may choose to use a <br> bar model to support their <br> understanding and structure their ideas. <br> It is important that children see that <br> there may be more than one way to <br> solve a problem and that some methods <br> are more efficient than others. |  |
|  | Percentage <br> increase and <br> decrease | What does increase/decrease mean? <br> How does the bar model show the <br> percentage increase/decrease? <br> If prices increase by 20\%, what percentage <br> will represent the new price? If the <br> percentage decrease is <br> work out the original price? <br> What will the new price be? | Once children are secure in finding <br> percentages of amounts and missing <br> percentages, they move on to finding <br> percentage increase and decrease. They <br> use a bar model to represent what <br> increase and decrease will look like. |  |
|  | Order FDP <br> What do you notice about the fractions, <br> decimals or percentages? <br> Can you compare any straight away? <br> What is the most efficient way to order <br> them? <br> If you put them in ascending order, what <br> will it look like? <br> If you put them in descending order, what <br> will it look like? | Children build upon their previous <br> learning on fractions, decimals and <br> percentages to see that there are <br> different ways of expressing proportions. <br> Children convert between fractions, <br> decimals and percentages in order to <br> order and compare them. |  |  |

