Year 6 Maths Long Term Planning

| Week | ths Long Term Plant | | | | | | |
|-------------------------|---|--|--|--|--|--|---|
| | Topic | Objectives | | | Vocabulary | | Things to revisit |
| 1,2 | Number – Place Value | Read, write, order and compare numbers up to 10 determine the value of each digit. Round any whole number to a required degree of Use negative numbers in context and calculate into zero. Solve number and practical problems that involve | | gree of accuracy. late intervals across | exchange; eq ascending / d estimate; app nearest; integ e. minus; multip sequence; pre relationship; d | resents; stands for; ual to; inequality sign; escending order; roximately; exact; round; ger; positive; negative; ele of; digit; consecutive; edict; pair; rule; classify; divisible; or; square number; prime | |
| 3,4,5 | Number - Addition, Subtraction, Multiplication and Division | number using the Divide numbers using the Formal writter remainders as who rounding, as appropriate provide numbers using formal written minterpreting remainterpreting remainterpremainterpreting remainterpreting remainterpreting remainterpretin | git numbers up to 4 digits of formal written method of up to 4 digits by a two-dig on method of long division nole number remainders, ropriate for the context. Up to 4 digits by a two-dig ethod of short division what with the context of the conte | of long multiplication. It whole number using It and interpret It are tractions, or by It number using the It are appropriate, It number using the It are appropriate, | sum; total; ini score; double decrease; lead difference bed more/fewer; as; tens boundal inverse; lots of multiply; multi repeated add double; halved divisible; rem divisible by ini | more; plus; increase; crease; total; altogether; ; halve; subtract; minus; ve; hw many are left; tween; how many equals; sign; is the same dary; hundreds boundary; ry; tenths boundary; if; groups of; times; tiplication; product; ition; array; row; column; ; share; divide; division; ainder; factor; quotient; verse | |
| Addition | | the context of a p | orobiem, an appropriate c | Subtraction | | | |
| AuditiOil | Concrete Year 2, Year 3 & Yea | Pict r 4 Year 4 (4 Di | | 6- | Concrete Year 2, Year 3 & Year 4 | Pictorial Year 2, Year 3 & Year 4 | Abstract Year 4, 5 and 6 – With decimals. |
| Column methodregrouping | Add up the units and exchange for one 10. Add up the rest of the columns, exchanging the 10 counters from column for the next place value unit every column has been add. This can also be done with Base help children clearly see that 10 equal 1 te and 10 tens expanding the 10 counters from column for the next place value unit every column has been add the set of the columns and the columns are the children clearly see that 10 equal 1 tens and 10 tens expanding the counters can be used to support learning. | columns and place value cox learning and understanding. 10 ones 7 1 5 1 10 ones | representation of the unters to further support their below the addition. As the children more on, unterduce decimals with the sa number of decimal and different. Money used here | Column method with regrouping 621 11 me acaces acac | Use Base 10 to start with before moving on to place value countiers. Start with one exchange before moving onto before moving onto the countiers of the countie | Draw the countiers on a place value gnd and show what you have the countiers out as the countiers out as the countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the exchanges you make the countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the countiers out as the countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the exchanges you make. **The countiers out as a clearly showing the exchanges you make. **The countiers out as a clear showing the countiers out as a clear showing th | Children are to use the compact method. 2 |
| | | | | - | Nov I can take away eight tens and complete my subtraction Type and the subtraction of t | | |
| Multiplica | ation | | | Division | | | |
| Standard Wri Method | itten | | This moves to the more or method. 1 3 4 2 | | Concrete | Pictorial | Abstract Year 5 Begin with divisions that divide equally with no remainder. 2 1 8 8 7 2 divisions with a remainder with a remainder of Finally 5 1 4 3 2 move into decimal places to divide into decimal places to divide |
| | | | 10736 | | | | the total accurately. 1 4 . 6 16 21 3 5 5 1 1 . 0 |
| 6 | Assessments | | | | | | the total accurately. 1 4 . 6 |

Year 6 Main Maths Long Term Planning

| Week | Topic | Objectives | Vocabulary | Things to revisit |
|------|----------------------|--|---|-------------------|
| 8-9 | Number – Decimals | Associate a fraction with division and calculate decimal fraction equivalents (for example 0.375). Identify the value of each digit in numbers given to three decimal places and multiply and divide by 10, 100 and 1000 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. Recall and use equivalences between simple fractions, decimals and percentages, including in different contexts. | part; equal parts; fraction; improper fractions; mixed number; numerator; denominator; equivalent; reduced to; cancel; one whole; half; quarter; one whole; eighth; third; sixth; ninth; tenth; twelfth; eleventh; fifth; twentieth; hundreth; thousandth; proportion; ratio; in every; for every; to evry; as many as; decimal; decimal fraction; decimal point; decimal place; oercentage; percent; % | |

| | and percentages) meraamig in ameren | | |
|----------------|-------------------------------------|-----------|--|
| | Concrete | Pictorial | Abstract Year 5 |
| Short division | | | Begin with divisions that divide equally with no remainder. |
| | | | 2 1 8 4 8 7 2 divisions with a remainder. 8 6 r 2 Year 6 Finally 5 4 3 2 move into decimal places to divide the total accurately. |
| | | | 1 4 . 6 16 21 3 5 5 1 1 . 0 |

| 10-12 | Number - Fractions | Use common factors to simplify fractions; use common multiples to express fractions in the same denomination. Compare and order fractions, including fractions > 1. Add and subtract fractions with different denominators and mixed numbers, using the concept of equivalent fractions. Multiply simple pairs of proper fractions, writing the answer in its simplest form [for example, 1/4 × 1/2 = 1/8]. Divide proper fractions by whole numbers [for example, 1/3 ÷ 2 = 1/6]. Associate a fraction with division and calculate decimal fraction equivalents [for example, 0.375] for a simple fraction [for example, 8 3]. Recall and use equivalances between simple fractions, decimals and percentages, including in different contexts. | part; equal parts; fraction; improper fractions; mixed number; numerator; denominator; equivalent; reduced to; cancel; one whole; half; quarter; one whole; eighth; third; sixth; ninth; tenth; twelfth; eleventh; fifth; twentieth; hundreth; thousandth; proportion; ratio; in every; for every; to evry; as many as; decimal; decimal fraction; decimal point; decimal place; oercentage; percent; % |
|-------|-------------------------|--|---|
| 13 | Assessments | , , , | |
| 14 | Number - Percentages | Recall and use equivalences between simple fractions, decimals and percentages. | part; equal parts; fraction; improper fractions; mixed number; numerator; denominator; equivalent; reduced to; cancel; one whole; half; quarter; one whole; eighth; third; sixth; ninth; tenth; twelfth; eleventh; fifth; twentieth; hundredth; thousandth; proportion; ratio; in every; for every; to every; as many as; decimal; decimal fraction; decimal point; decimal place; percentage; percent; % |