Yr 6 Autumn Term

Place value

1. Numbers to 10,000 R
2. Numbers to 100,000 R
3. Numbers to 1,000,000 R
4. Numbers to 10,000,000
5. Compare and order any number
6. Round numbers to 10, 100, 1000 R
7. Round numbers within 100,000 R
8. Round any number
9. Negative numbers (in context)
10. Negative numbers (more abstract)
11. Roman numerals R

Addition and Subtraction

Add two 4 digit numbers – more than one exchange R
Add whole numbers with more than four digits R
Subtract to 4 digit numbers – more than one exchange R
Subtract whole numbers with more than four digits R
Inverse operations (Addition and subtraction) R
Multi step addition and subtraction problems R

Multiplication and Division

1. Multiply three digits by one digit (ladder method) R
2. Multiply two digits by one digit (efficient method) R
3. Multiply digits three by one digit (efficient method) R
4. Multiply digits four by one digit (efficient method) R
5. Multiply two digits by two digits (ladders method) R
6. Multiply two digits by two digits (efficient methods) R
7. Multiply three digits by two digits (efficient methods)

Division

1. Divide three digits by one digit (mental method)
2. Divide three digits by one digit (bus shelter)
3. Divide four digits by one digit (bus shelter)
4. Short division with remainders (decimals)
5. Remainders (round up and down)
6. Long Division (1)
7. Long Division (2)
8. Long Division (3)

Properties of Number

1. Common multiples
2. Common Factors
3. Primes to 100
4. Squares and cubes
5. Order of operations (use fluency sheet)

Yr 6 Spring Term

Fractions

1. Equivalent fractions R
2. Simplify fractions
3. Improper fractions to mixed numbers R
4. Mixed numbers to improper fractions
5. Fractions on a number line
6. Compare 2 fractions less than 1 (Denominator)
7. Compare more than 2 fractions less than 1 (Denominator)
8. Compare and order (Numerator)
9. Compare and order fractions greater than one R
10. Add and subtract fractions (1)
11. Add and subtract fractions – pyramid activity
12. Add and subtract fractions (2)
13. Add mixed numbers
14. Subtract fractions R
15. Subtraction – breaking the whole R
16. Multiply fractions By integers
17. Multiply fractions by fractions
18. Divide fractions by integers including fluency.
19. Fraction of an amount
20. Fraction of an amount – find the whole
21. Four rules with fractions.

Fraction, Decimals & Percentages

1. Decimals up to 2 decimal places R
2. Decimals as fractions
3. Decimals as fractions (2) R
4. Understand thousandths R
5. Thousands as decimals R
6. Rounding decimals R
7. Fractions to decimals (1)
8. Fractions to decimals (2)
9. Fractions to percentages
10. Percentages as fractions and decimals R
11. Equivalent FDP
12. Order FDP
13. Percentages with shopping (activity)
14. Percentage (missing value)
1.

Calculation with Decimals

1. Adding decimals mentally R
2. Subtraction of decimals (Counting on) R
3. Subtraction of decimals (Counting back) R
4. Addition of decimals (Written method) R
5. Subtraction of decimals (Written method) R
6. Multiply decimals by 10, 100, 1000 R
7. Divide decimals by 10, 100, 1000 R
8. Multiply decimals by integers R

Divide decimals by integers R

Measurement

1. Units of mass R
2. Units of capacity R
3. Units of length R
4. Calculation with units R
5. Imperial Measures R

Area and Perimeter

1. Perimeter of rectangular shapes R
2. Calculate Perimeter R
3. Area of rectangles R
4. Area of compound shapes
5. Area of irregular and compound shapes R
6. Area of a triangle 2
7. Area of a triangle & parallelogram

Angles and Position

1. Measuring and drawing Angles Sheet R
2. Introduce angles
3. Calculate angles
4. Vertically opposite angles
5. Angles in a triangle
6. Angles in special quadrilaterals
7. Draw shapes accurately
8. The first quadrant
9. Four quadrants
10. Translations
11. Translation with coordinates R
12. Lines of symmetry R
13. Complete isometric figure R
14. Reflections
15. Reflections with coordinates R
16. 3-D SHAPE and Volume

Statistics

1. Introduction to line graphs
2. Read and interpret line graphs
3. Draw line graphs
4. Use line graphs to solve problems
5. Circles
6. Read and interpret pie charts
7. Pie charts with percentages
8. Draw pie charts
9. The mean

Yr 6 Summer Term

Revision

1. Place value/ Roman numerals/ Rounding
2. Sequences/ Properties of number
3. Negative numbers/ Inverse
4. Equivalent fractions, Ordering fractions, Equivalent decimals & percentages
5. Perimeter and area & volume
6. Ratio
7. Money (Year 5)/ Algebra (Year 6)
8. 2-D and 3-D shapes
9. Angles
10. Position and movement including coordinates
11. Data handling
12. Time

Ratio and Proportion

1. Scale Up and down
2. Proportion
3. Using ratio language
4. Ratio and fractions
5. The ratio symbol
6. Calculating ratio
7. Using scale factors
8. Calculating scale factors
9. Ratio and proportion problems
10. Ratio and proportion problems (2)

Algebra

1. Find a rule – One step
2. Find a rule – Two-step
3. Forming expressions
4. Substitution
5. Formulae
6. Forming equations
7. Solve one-step equations
8. Solve two-step equations
9. Find pairs of values (1)
10. Find pairs of values (2)

3-D Shape

1. Draw nets of 3-D shapes
2. What is volume R
3. Volume – counting cubes
4. Volume of a cuboid

Calculation Revision

Futures

1. Annual Salaries
2. Hourly Rates
3. Budgeting
4. Buying Dream and mortgage
5. Decorating Dream House

Tours

1. Climate
2. Conversions
3. Airport
4. Accommodation
5. Budget
6. Time problems

WR Bakery

1. Shopping List
2. Best Value
3. Profit & Loss
4. Packaging
5. Cooking Problems