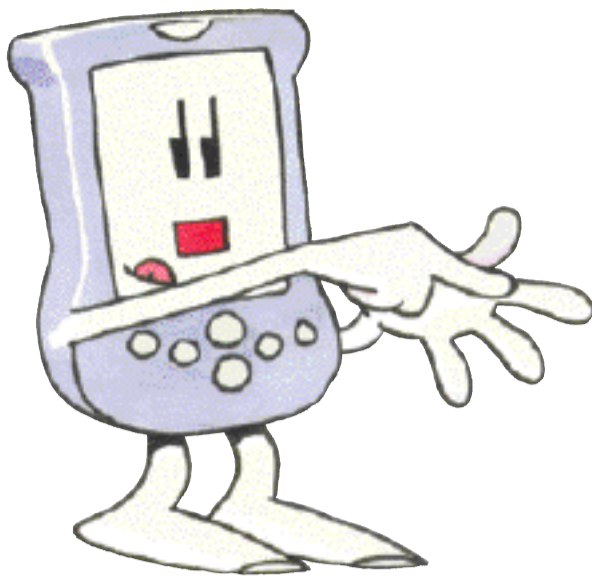


Number System & Number Theory



| Pack | Topic | Activity |
|-----------------------------|------------------------------------|--|
| 8 Fractions & Decimals 2 | 8.1 Decimal Fractions | 8.1.1 Decimal Abacus (1dp) |
| | | 8.1.2 Decimal Abacus (2dp) |
| | | 8.1.3 Decimal Abacus (3dp) |
| | 8.2 Equivalent Fractions | 8.1.6 Decimal Steps |
| | | 8.2.1 Equivalent Fractions |
| | | 8.2.2 Complete 2 Fractions |
| | | 8.2.3 Complete 3 Fractions |
| | 8.4 Decimal Notation | 8.2.4 Simplifying Fractions |
| | | 8.4.1 Writing Decimals |
| | 8.6 Ordering Decimals | 8.4.2 Reading Scales |
| | | 8.6.1 Order Decimals (1dp) |
| | | 8.6.2 Order Decimals (2dp) |
| | | 8.6.3 Order Decimals (3dp) |
| 8.7 Percentages | 8.6.4 Order Decimals (Mixed dp) | |
| | 8.7.1 Simple Percentages | |
| | 8.7.2 Finding Percentages | |
| 10 Patterns & Relationships | 10.4 Representing Numbers | 8.7.3 Flash Card Percentages |
| | | 10.4.1 Dot Patterns |
| 11 Number Structure | 11.1 Counting and Place Value | 10.4.2 Number Systems |
| | | 11.1.1 Number Names [0,1M] |
| | | 11.1.2 How Many (Big Numbers)? |
| | | 11.1.3 Space Invaders 3 |
| | 11.2 Ordering | 11.1.4 Multiply Powers 1-100Th |
| | | 11.2.1 Naming Numbers [0,1M] |
| | | 11.2.2 Order 4 Big Numbers |
| | | 11.2.3 Order 5 Big Numbers |
| | | 11.2.4 Between: Big Whole Numbers |
| | | 11.2.5 Between: Neg and Pos |
| | 11.3 Odds and Evens | 11.2.6 Between: Decimals |
| | | 11.3.1 Combining Odds and Evens |
| | 11.4 Divisibility | 11.4.1 Divisibility (2,5,10) |
| 11.4.2 Divisibility (2,4,8) | | |
| 11.4.3 Divisibility (3,6,9) | | |
| 11.4.4 General Divisibility | | |
| 11.5 Divisors and Factors | 11.5.1 Does It Divide? | |
| | 11.5.2 Finding Divisors | |
| | 11.5.3 Factors | |
| | 11.5.4 HCF (GCD) | |
| | 11.5.5 LCM | |
| | 11.5.6 Decanting | |
| 11.6 Prime Numbers | 11.6.1 Is It Prime? | |
| | 11.6.2 Prime Factors | |
| | 11.6.3 Prime Factorization | |
| 12 Number Operations | 12.1 Addition and Subtraction | 12.1.1 Addition [0,1M] |
| | | 12.1.2 Subtraction [0,1M] |
| | | 12.1.3 Add and Subtract Decimals |
| | | 12.1.4 Add Negative Numbers |
| | | 12.1.5 Subtract Negative Numbers |
| | | 12.1.6 Approximate Calculations (+,-) |
| | 12.2 Problems: Add and Subtract | 12.2.3 Missing Digits (+,-) |
| | | 12.2.4 Addition Square (4x4) |
| | 12.3 Multiplication and Division | 12.3.1 Multiply [1,1M] |
| | | 12.3.2 Divide [1,1M] |
| | | 12.3.3 Multiply and Divide Decimals |
| | | 12.3.4 Approximate Calculations (x,/) |
| | | 12.3.5 Extended Multiplication Tables |
| | 12.4 Problems: Multiply and Divide | 12.4.1 Multiplication Pairs |
| | | 12.4.2 Missing Digits (x,÷) |
| | | 12.4.3 Multiplication Square (4x4) |
| | 12.6 Powers and Roots | 12.6.1 Squares |
| | | 12.6.2 Square Roots |
| 12.6.3 Cubes | | |
| 12.6.4 Cube Roots | | |
| 13 Number Relationships | 13.3 Equations | 13.3.1 Equations ($y = x + c$) |
| | | 13.3.2 Equations ($y = mx + c$) |
| | | 13.3.3 Equations ($x + c = 2x + d$) |
| | 13.4 Inequalities | 13.4.1 Inequalities ($x + c > y$) |
| | | 13.4.2 Inequalities ($x - c > y$) |
| | | 13.4.3 Inequalities ($x - c < y$) |
| | | 13.4.4 Inequalities ($x + c < y$) |
| | 13.5 More Inequalities | 13.5.1 Inequalities ($x + c < 2x + d$) |
| | | 13.5.2 Inequalities ($x + c > 2x + d$) |
| 13.5.3 Which is True? | | |
| 16 Using Number 3 | 16.5 Ratio and Proportion | 16.5.1 Unit Ratios |
| | | 16.5.2 General Ratios |
| | 16.6 Miscellaneous Problems | 16.6.1 Logic Problems |
| 16.6.2 Combinatorics | | |
| 16.6.3 Number Problems | | |
| 18 Number | 18.2 Number Theory | 18.2.1 Factor Grid |
| | | 18.2.2 How Many Divisors? |
| | 18.3 Fractions and Percents | 18.3.2 Fraction Inequalities |
| | | 18.3.3 Fraction Sums |
| | | 18.3.4 Compare Fractions |
| | | 18.3.5 Percent Change |
| | | 18.3.6 Using Percent Change |
| | 18.4 Comparing Numbers | 18.4.2 Largest Smallest Products |
| | | 18.4.3 Comparing Expression |
| | | 18.4.4 Placing Decimal Points |
| 18.4.5 Number Bases | | |