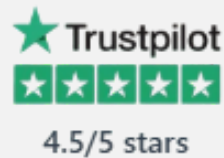


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MATHS CREATORS

MODULE -1 NUMBERS

NUMBER SENSE AND EXPLORING CALCULATION STRATEGIES

- Exploring Number Sense
- Deriving New Facts From Number Bonds (Part 1)
- Number names
- Recognising the value of each digit in a 2 digit number
- Using comparative symbols to compare numbers
- Deriving New Facts From Number Bonds (Part 2)
- Finding number bonds for numbers up to 20
- Applying number bonds within ten to add and subtract
- Applying number bonds within twenty to add and subtract
- Using round and adjust strategies to subtract and add near doubles
- Application Lesson



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MODULE -2 PLACE VALUE

PLACE VALUE

- Partitioning numbers in different ways
- Ordering and comparing 3 digit numbers
- Rounding 2 and 3 digit numbers to the nearest 10 and 100
- Finding all possible numbers that could have been rounded to a multiple of ten
- Finding solutions to a problem
- Place value application lesson



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MODULE -3 FRACTION

FRACTIONS

- To describe the part whole relationship
- To recognise, identify and describe unit fractions
- To identify and describe non-unit fractions
- Consolidating finding unit and non-unit fractions of quantities
- Comparing fractions with the same denominator
- Fractions: Recognising equivalent fractions
- Fractions: Adding fractions with the same denominator
- Fractions: Subtracting fractions with the same denominator
- Fractions: To revise learning on fractions



UNIT FRACTIONS AS PART OF A WHOLE

- Identify a whole and the parts that make it up
- Use fraction notation to describe an equal part of the whole
- Represent unit fractions in different ways
- Solve problems involving identifying equal parts and the whole



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MODULE -3 FRACTION

IDENTIFY PARTS AND WHOLES IN DIFFERENT CONTEXTS

- Identify parts and wholes in different contexts
- Identify equal parts in a whole when they do not look the same in 2D and 3D shapes
- Solve problems by identifying parts and wholes in a range of contexts



COMPARE AND ORDER UNIT FRACTIONS

- Compare and order unit fractions by looking at the denominator
- Identify when unit fractions cannot be compared
- Solve problems involving comparing and ordering unit fractions in a range of contexts



CALCULATE THE VALUE OF A PART (FRACTIONS AS OPERATORS)

- Use knowledge of the relationship between parts and wholes to solve problems
- Calculate the value of parts and wholes using understanding of division
- Connect division with finding a fraction of a quantity to find parts and wholes



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MODULE -3 FRACTION

NON-UNIT FRACTIONS

- Identify non-unit fractions
- Place fractions between 0 and 1 on a number line
- Compare fractions with the same numerator
- Compare non-unit fractions including those equal to 1



COMPOSITION OF NON-UNIT FRACTIONS: ADDITION AND SUBTRACTION

- Use repeated addition of a unit fraction to form 1
- Add and subtract fractions with the same denominator in a range of contexts
- Explain that addition and subtraction of fractions are inverse operations
- Substitute a fraction representing a whole to solve subtraction problems



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MODULE -4 ADDITION AND SUBTRACTION

REVIEW STRATEGIES FOR ADDING AND SUBTRACTING ACROSS 10

- Add 3 numbers together using doubles and near doubles
- Add three addends efficiently using a range of strategies
- Addition by bridging through 10
- Subtracting to and from 10
- Subtracting numbers that bridge through 10
- Solving problems involving addition and subtraction



SECURING PLACE VALUE TO 100 AND APPLYING TO ADDITION AND SUBTRACTION

- Composition of 100 in 10s and 1s
- Composition of 100 in 50s, 25s and 20s
- Multiples of 10 that total 100
- Represent 3-digit multiples of 10 in different ways
- Use place value knowledge to write addition and subtraction equations



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MODULE -4 ADDITION AND SUBTRACTION

BRIDGING 100: COUNTING ON AND BACK IN 10S, ADDING/SUBTRACTING MULTIPLES OF 10

- Count across and on from 100
- Bridge 100 by adding or subtracting a single-digit number
- Cross the hundreds boundary when adding and subtracting any 2-digit multiple of 10



INFORMAL AND MENTAL STRATEGIES FOR ADDING AND SUBTRACTING TWO 3-DIGIT NUMBERS

- Choose the most efficient strategy to add two 3-digit numbers
- Choose the most efficient strategy to subtract from a 3-digit number
- Subtract 2 or 3-digit numbers using partitioning and bridging a multiple of 10
- Use addition and subtraction to solve problems in different contexts



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MODULE -4 ADDITION AND SUBTRACTION

COLUMN ADDITION

- Use place value to correctly lay out column addition
- Use column addition to solve problems
- Use column addition with regrouping in ones and tens
- Use column addition with regrouping to solve problems



COLUMN SUBTRACTION

- Use column subtraction to subtract from a 2- or 3-digit number
- Subtract from a 2-digit number using column subtraction with regrouping
- Subtract from 3-digit number using column subtraction with regrouping
- Make efficient use of subtraction strategies including column subtraction



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MODULE -5 MULTIPLICATION AND DIVISION

2, 4 AND 8 TIMES TABLES: USING TIMES TABLES TO SOLVE PROBLEMS

- Represent counting in fours as the 4 times table
- Use knowledge of the relationship between the 2 and 4 times tables to solve problems
- Represent counting in eights as the 8 times table
- Use knowledge of the relationship between the 2, 4 and 8 times tables to solve problems
- Scale divisions derived from multiplication facts by 10



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MODULE -6 GEOMETRY AND MEASURE

MEASURING LENGTH AND RECORDING IN TABLES

- Measure length and height from zero using whole m or cm
- Converting between metres and centimetres
- Millimetres as a unit of measure and the relationship between them and cm
- Solve problems involving length and height



MEASURES: MASS AND CAPACITY

- Measure mass in whole kilograms and grams
- Understanding capacity and volume
- Measure volume in whole litres and millilitres
- Solve problems involving mass and volume



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MODULE -6 GEOMETRY AND MEASURE

RIGHT ANGLES

- Identify and describe right angles
- Identify properties of triangles and quadrilaterals
- Know that a rectangle is a four-sided polygon with four right angles
- Investigate and draw other polygons with right angles



TELL THE TIME TO THE NEAREST MINUTE AND COMPARE UNITS OF TIME

- Tell and write the time to the nearest minute past and to and how many seconds in a minute
- Tell and write the time including using Roman numerals
- am and pm
- Know the number of days in each month, year and leap year



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MODEL DRAWING

- Bar Models
- Solving word problems on bar models



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