

Year Five Maths Overview



Geometry: Position & Direction

- Position in first quadrant
- Reflections
- Translation

- 4 right, 2 down
- 2 left, 3 up
- 5 left, 5 down

Measurement: Converting Units

- Kg, km, mg, ml
- Metric & Imperial units
- Timetables

Measurement: Volume

- What is volume?
- Compare & estimate volume & capacity

Sum 2

Geometry: Properties of Shape

- Measuring with a protractor
- Using angles
- Angles on a straight line
- Angles around a point
- regular & irregular polygons

Number: Decimals

- Add & subtract decimals within 1
- Complements to 1
- Add & subtract decimals – crossing the whole

Consolidation

Sum 1

Number: Decimals

- Add & subtract whole & decimals
- Multiply & divide by 10, 100, 1000

$$\begin{array}{r} 4.55 \\ + 3.07 \\ \hline \end{array}$$

Number: Fractions

- Multiply mixed numbers by integers
- Calculate fractions of a quantity
- Calculate a fraction of an amount
- Using fractions as operators.

Number: Decimals & Percentages

- Decimals up to 2.d.p.
- Decimals as a fraction
- Understand thousands as a fraction & a decimal

$$0.3 = \frac{3}{10} = \frac{30}{100}$$

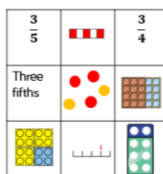
Number: Fractions

- Compare and order fractions less than & greater than one
- Add & subtract fractions including mixed numbers.

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Number: Fractions

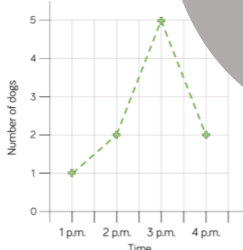
- Equivalent fractions
- Fractions greater than 1
- Add and subtract fractions
- Improper fractions to mixed numbers
- Mixed numbers to improper fractions



Number: Decimals & Percentages

- Rounding decimals
- Ordering & comparing decimals
- Understand percentages
- Percentages as fractions & decimals
- Equivalent F.D.P

Pictorial	Percentage	Fraction	Decimal
	41 parts per hundred	41 out of 100	41 hundredths
	41%	$\frac{41}{100}$	0.41



Statistics

- Interpret charts
- Read & interpret line graphs
- Read & interpret tables
- Two way tables
- Timetables

Number: Multiplication & Division

- Multiply & divide 2, 3 & 4 -digit by 1-digit numbers
- Multiply & divide 2, 3 & 4 -digit by 2-digit numbers
- Divide with remainders

	1	2	3	
4	4	8	9	4 r2

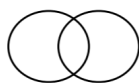
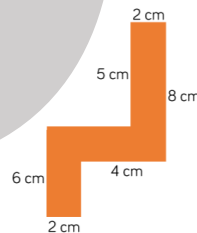
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Number: Multiplication & Division

- Multiples & Factors
- Prime numbers
- Square & cube numbers
- Multiply & divide by 10, 100 & 1000
- Multiples of 10, 100 & 1000

Measurement: Perimeter & Area

- Perimeter of rectangles and rectilinear shapes.
- Area of compound shapes
- Area of irregular shapes



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Number: Addition & Subtraction

- Add & subtract 4-digit numbers – more than one exchange
- Round to estimate & approximate
- Inverse operations
- Multi-step addition & subtraction problems

Number: Place Value

- Compare & order numbers to 1 million
- Round to 1 million
- Negative numbers
- Roman numerals to 1000

Complete the table.

	Add 10	Add 100	Add 1000
2,506			
7,999			
		6,070	

