

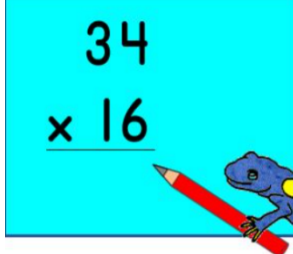
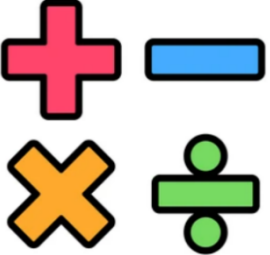
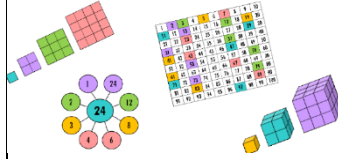


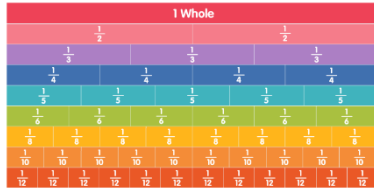
# Academic Year 2023-2024

<b>Stage 5</b>	<p><b>Larger number, negative numbers in different formats</b></p> 	<p><b>Addition and subtraction</b></p> 	<p><b>Long Multiplication</b></p> 	<p><b>Solving problems using four operations</b></p> 	<p><b>Primes, factors, squares and cubes</b></p> 
	<ul style="list-style-type: none"> <li>-Comparing numbers to at least 1 million</li> </ul>	<ul style="list-style-type: none"> <li>-Adding and subtracting mentally</li> </ul>	<ul style="list-style-type: none"> <li>-Multiplying and dividing mentally from known facts</li> </ul>	<ul style="list-style-type: none"> <li>-Use short division</li> </ul>	<ul style="list-style-type: none"> <li>-Finding factor pairs, common factors and multiples</li> </ul>
	<ul style="list-style-type: none"> <li>-Rounding numbers to the nearest 10, 100, 1000, 10,000 or 100,000</li> </ul>	<ul style="list-style-type: none"> <li>-Adding and subtracting using formal methods (4digits)</li> </ul>	<ul style="list-style-type: none"> <li>-Using long multiplication and other written methods</li> </ul>	<ul style="list-style-type: none"> <li>-Solving multiplication and division problems including, factors, multiples, squares and cubes</li> </ul>	<ul style="list-style-type: none"> <li>-Understanding prime numbers and composite numbers</li> </ul>
	<ul style="list-style-type: none"> <li>-Counting forwards and backwards in the steps of powers of 10</li> </ul>	<ul style="list-style-type: none"> <li>-Solve multi-step addition and subtraction problems</li> </ul>		<ul style="list-style-type: none"> <li>-Understanding the equals sign in four operations</li> </ul>	<ul style="list-style-type: none"> <li>-Determining whether a number is a prime (up to 100)</li> </ul>
	<ul style="list-style-type: none"> <li>-Interpreting negative numbers in context</li> <li>-Reading roman numerals to 1000</li> <li>-Solving number problems up to 1 million</li> </ul>	<ul style="list-style-type: none"> <li>-Solve problems with numbers up to 3 decimal places</li> </ul>		<ul style="list-style-type: none"> <li>-Using rounding to check answers to a suitable degree of accuracy</li> </ul>	<ul style="list-style-type: none"> <li>-Recognising square and cube numbers</li> </ul>

# Academic Year 2023-2024

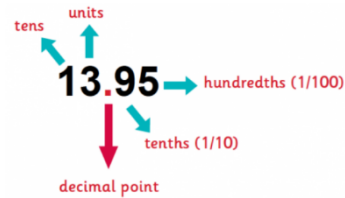
## Stage 5

### Solving problems with fractions



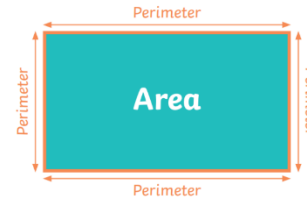
- Comparing and ordering fractions (denominators of same number)
- Using visual methods and number lines to identify equivalent fractions
- Recognising and converting between mixed numbers and improper fractions
- Adding and subtracting fractions (same denominator)
- Multiplying proper fractions and mixed numbers by whole numbers

### Decimals, equivalence and rounding



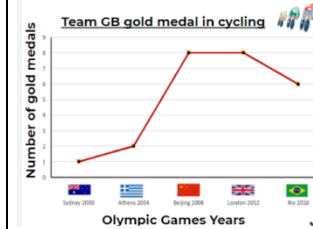
- Reading and writing decimal numbers as fractions
- Understanding thousandths
- Comparing numbers up to 3 decimal places
- Multiplying and dividing decimals by 10,100 and 1000
- Rounding to the nearest whole number, or one decimal place

### Metric measurements in shapes



- Working with the perimeter of composite rectilinear shapes
- Understand standard units when comparing areas of rectangles and estimating areas of irregular shapes
- Beginning to work with volume

### Using information from graphs, tables and timetables

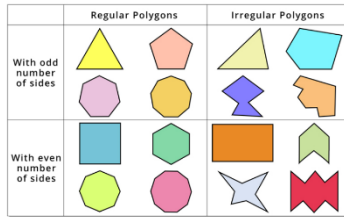


- Solving problems with data given from line graphs
- Working with information in tables, including timetables

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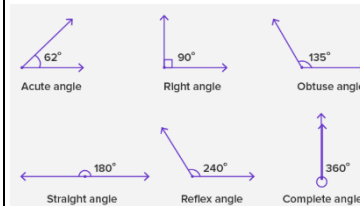
## Stage 4

### Identifying shapes



- Using properties of rectangles
- Distinguishing between regular and irregular polygons
- Identifying 3d shapes from 2d representations

### Drawing, measuring and estimating angles



- Understanding degrees as a measure of angles
- Drawing and measuring angles
- Identifying angles at a point, straight line or right angle

### Fractions and their decimal or percentage equivalents

Fraction	Decimal	Percentage
$\frac{4}{5}$		10%
	0.17	
$\frac{3}{20}$		

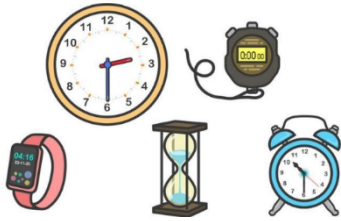
- Recognising per cent if per hundred and writing percentages as decimal fractions
- Solving problems using percentage and decimal equivalents  $\frac{1}{2}$   $\frac{1}{4}$   $\frac{1}{5}$   $\frac{2}{5}$   $\frac{4}{5}$  and those with a denominator of a multiple of 10 or 25

### Larger numbers, negative numbers and roman numerals



- Identifying place value of digits
- Finding 1000 more or less
- Comparing numbers beyond 1000
- Counting backwards through zero
- Understanding roman numerals
- Using numbers in different contexts
- Solving positive number problems involving the four operations

**Solving problems with  
measure and time**



-Converting between units of  
metric measure

-Using approximate metric and  
imperial equivalences

-Solving problems between  
converting units of time

-Solve problems involving  
measure using decimals and  
scaling