

6.2N- Navigator Curriculum

Year	2025-2056	2025-2056	2025-2056	2025-2056	2025-2056	2025-2056
2025-2056	<p>Topic: Calculation NPV Addition and subtraction.</p> <p>Multiplication and division.</p> <p>Suggested Key Questions Can you tackle a word problem based on the topic. Promote core facts. Do you understand place value? Can you calculate using the add/subtract operations? Can you use Bidmas in multi stage calculations?</p> <p>Can students recognise, find and name a half as one of two equal parts of an object, shape or quantity</p> <p>Can you use understanding of title,</p>	<p>Topic: Addition and subtraction.</p> <p>Fractions and decimals and percentages.</p> <p>Measure and accuracy-Time</p> <p>Multiplication of two digit numbers use grid method. Division use bus stop method.</p> <p>Suggested Key Questions: Can you tackle a word problem based on the topic.</p> <p>Promote core facts Do you know your 2.5.10 x tables. DO you know your 4,8 and 9 x tables. Do you know all your 12 x 12 tables. Can you Develop fluency</p>	<p>Topic: Multiplication and division.</p> <p>Algebra</p> <p>Data and statistics</p> <p>Suggested Key Questions: Can you tackle a word problem based on the topic.</p> <p>Promote core facts Can you extract data? Can you present data? Can you use symbols? Can you Develop fluency Reason mathematically Solve problems involving algebra.</p>	<p>Topic: Number Ratio/Probability/Sequence</p> <p>Measure and accuracy-weight/capacity/volume.</p> <p>Suggested Key Questions: Promote core facts Can you tackle a word problem based on the topic.</p> <p>Can you link likelihood and chance? Can you Develop fluency Reason mathematically Solve problems involving algebra. Can you Develop fluency Reason mathematically Solve problems involving number.</p> <p>Can you Develop fluency</p>	<p>Topic: Calculation. Addition and subtraction.</p> <p>Fractions and decimals and percentages.</p> <p>Suggested Key Questions: Promote core facts Can you tackle a word problem based on the topic.</p> <p>Can you order negative numbers? What are factors and multiples? Can you order decimal numbers? What are square numbers? Can you read scales? What is perimeter/ What is area?</p> <p>Can you write fraction? Can you find equivalent fractions?</p>	<p>Topic: Angles and polygons Working in 2d/3d Measure and accuracy.</p> <p>Suggested Key Questions: Promote core facts Can you tackle a word problem based on the topic.</p> <p>Do you know what opposite angles are? Do you know about angles inside triangles? Key Skills and Knowledge:</p> <p>Calculate and solve problems involving: perimeters of 2-D shapes (including circles), areas of circles and composite shapes</p> <p>Identify and construct congruent triangles, and construct similar shapes by enlargement, with and without coordinate grids. Derive and use the sum of angles in a triangle and use it to deduce the angle sum in any polygon, and</p>

	<p>labels and simple scales? (sixth-form)</p> <p><u>Key Skills and Knowledge:</u></p> <p>Count backwards through zero to include negative numbers count in multiples of 6, 7, 9, 25 and 1000 identify, represent and estimate numbers using different representations</p> <p>Recognise, find, name and write fractions $\frac{3}{4}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, shape, set of objects or quantity write simple fractions for example, $\frac{2}{4}$ of 6 = 3 and recognise the equivalence of $\frac{4}{2}$ and $\frac{2}{1}$.</p> <p>Add fraction</p>	<p>Reason mathematically Solve problems involving multiplication and division. Can you Develop fluency Reason mathematically Solve problems involving money. Can you Develop fluency Reason mathematically Solve problems involving 2d/3d shapes</p> <p>Identify appropriate methods for collecting data (sixth-form)</p> <p><u>Key Skills and Knowledge:</u></p> <p>Count in multiples of 6, 7, 9, 25 and 1 000</p> <p>Recall multiplication and division facts for multiplication tables up to 12×12</p> <p>Recognise and use factor pairs and commutativity in mental calculations</p> <p>Calculate and solve problems involving: perimeters of 2-D shapes (including circles), areas of circles and composite shapes</p> <p>Draw and measure line segments and angles</p> <p>Apply the properties of angles,</p>	<p>Solve problems involving data and statistics. Do you know metric measure for length, mass and capacity.</p> <p>Use whole numbers, decimals and fractions and percentages to present results (sixth-form)</p> <p><u>Key Skills and Knowledge:</u></p> <p>Describe, interpret and compare observed distributions of a single variable through: appropriate graphical representation involving discrete, continuous and grouped data; and appropriate measures of central tendency (mean, mode, median) and spread (range, consideration of outliers). construct and interpret appropriate tables, charts, and diagrams.</p> <p>Substitute numerical values into formulae and expressions, including scientific formulae.</p>	<p>Reason mathematically Solve problems involving algebra. Can you Develop fluency Reason mathematically Solve problems involving ratios, probability and sequence.</p> <p><u>Key Skills and Knowledge:</u></p> <p>Recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) round any number to the nearest 10, 100 or 1 000</p> <p>Use fraction and percentages to describe a proportion.</p>	<p><u>Can you simplify fractions?</u></p> <p><u>Key Skills and Knowledge:</u></p> <p>Subtract fractions Mixed numbers.</p> <p>Reinforce Count backwards through zero to include negative numbers count in multiples of 6, 7, 9, 25 and 1000 identify, represent and estimate numbers using different representations</p>	<p>to derive properties of regular polygons</p>
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<p>Links to Gatsby Benchmarks:</p>	<p><u>Benchmark 2</u> Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning.</p> <p><u>Benchmark 4.</u> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p><u>Benchmark 2</u> Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning.</p> <p><u>Benchmark 4.</u> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p><u>Benchmark 2</u> Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning.</p> <p><u>Benchmark 4.</u> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p><u>Benchmark 2</u> Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning.</p> <p><u>Benchmark 4.</u> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p><u>Benchmark 2</u> Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning.</p> <p><u>Benchmark 4.</u> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>	<p><u>Benchmark 2</u> Labour market to information. What are the current trends in the jobs market that involve maths skills that students are learning.</p> <p><u>Benchmark 4.</u> STEM opportunities-linking career opportunities and what aspects of mathematics they are learning.</p>

Develop fluency
Reason mathematically
Solve problems