

Explore the different careers using the national careers service:

<https://nationalcareers.service.gov.uk/explore-careers>

Year 8 Maths Topics	Careers that use this information and/skill		
<p><b>Percentages</b></p>	<p><b>Retail Assistant</b> (Accessible: Calculating discounts and sales)  <b>Nurse</b> (Public Sector: Calculating patient dosages and fluid drops)  <b>Investment Banker</b> (Aspirational: Analysing interest rates and portfolio yields)</p>	<p><a href="#">BBC Bitesize Careers</a></p> <p><a href="#">MyPath: Maths - Why Bother?</a></p>	
<p><b>Money</b></p>	<p><b>Bank Cashier</b> (Accessible: Managing daily transactions)  <b>Teacher</b> (Public Sector: Managing departmental budgets)  <b>Actuary</b> (Aspirational: Calculating complex financial risks and insurance premiums)</p>	<p><a href="#">icould.com</a></p>	
<p><b>Indices</b></p>	<p><b>Electrician</b> (Accessible/Middle: Calculating wire resistance and power loads)  <b>Laboratory Technician</b> (Public Sector: Working with scientific formulas and bacterial growth)  <b>Data Scientist</b> (Aspirational: Managing large datasets and algorithmic scaling)</p>	<p><a href="#">My Learning. My Future</a></p> <p><a href="#">BBC Bitesize Careers</a></p>	
<p><b>Equations</b></p>	<p><b>Plumber</b> (Accessible: Calculating water pressure and pipe flow rates)  <b>Police Collision Investigator</b> (Public Sector: Reconstructing accident speeds using skid mark formulas)  <b>Aerospace Engineer</b> (Aspirational: Designing flight trajectory equations)</p>	<p><a href="#">Lancashire Careers Hub</a>  <a href="#">Work Ready Booklet</a></p>	
<p><b>Sequences</b></p>	<p><b>Logistics Operative</b> (Accessible: Organizing warehouse shelving and delivery routes)  <b>Administrative Officer</b> (Public Sector: Organizing filing systems and database records)  <b>Cryptographer</b> (Aspirational: Creating secure codes for national security or tech firms)</p>	<p><a href="#">MyPath: Maths - Why Bother?</a></p> <p><a href="#">icould.com</a></p>	

<b>Ratio</b>	<p><b>Painter and Decorator</b> (Accessible: Mixing paint colors and thinning agents)</p> <p><b>Teaching Assistant</b> (Public Sector: Ensuring correct adult-to-student supervision ratios)</p> <p><b>Pharmacist</b> (Aspirational: Formulating customized medication compounds)</p>	<p><a href="#">BBC Bitesize Careers</a></p> <p><a href="#">My Learning, My Future</a></p>
<b>Rounding</b>	<p><b>Carpenter / Joiner</b> (Accessible: Measuring and cutting materials to tolerance levels)</p> <p><b>Healthcare Assistant</b> (Public Sector: Recording patient vitals like temperature and weight)</p> <p><b>Quantity Surveyor</b> (Aspirational: Estimating large-scale construction material costs)</p>	<p><a href="#">Lancashire Careers Hub</a></p> <p><a href="#">Work Ready Booklet</a></p>
<b>Coordinates</b>	<p><b>Delivery Driver</b> (Accessible: Using GPS grids to navigate routes)</p> <p><b>Paramedic</b> (Public Sector: Locating incident grid references in rural areas)</p> <p><b>Air Traffic Controller</b> (Aspirational: Tracking 3D coordinates of commercial flights)</p>	<p><a href="#">icould.com</a></p> <p><a href="#">MyPath: Maths - Why Bother?</a></p>
<b>Area</b>	<p><b>Carpet Fitter</b> (Accessible: Calculating floor space to minimise waste)</p> <p><b>Grounds Maintenance Worker</b> (Public Sector: Calculating turf or fertilizer needed for public parks)</p> <p><b>Architect</b> (Aspirational: Designing optimal floor plans for skyscrapers)</p>	<p><a href="#">My Learning, My Future</a></p> <p><a href="#">BBC Bitesize Careers</a></p>
<b>Circles</b>	<p><b>Landscape Gardener</b> (Accessible: Designing circular patios or flowerbeds)</p> <p><b>Highway Engineer</b> (Public Sector: Designing safe roundabouts and turning circles)</p> <p><b>Mechanical Engineer</b> (Aspirational: Designing engine pistons, gears, and turbines)</p>	<p><a href="#">icould.com</a></p>
<b>Standard Form</b>	<p><b>Warehouse Operative</b> (Accessible: Dealing with bulk stock inventory numbers)</p> <p><b>Environmental Scientist</b> (Public Sector: Measuring microscopic pollutants in water supplies)</p> <p><b>Astronomer</b> (Aspirational: Calculating distances between planetary bodies)</p>	<p><a href="#">Lancashire Careers Hub</a></p> <p><a href="#">Work Ready Booklet</a></p> <p><a href="#">BBC Bitesize Careers</a></p>

<b>Venn Diagrams</b>	<b>Receptionist</b> (Accessible: Sorting client needs and booking overlapping appointments) <b>Librarian</b> (Public Sector: Categorising cross-genre books and cataloging data) <b>Systems Analyst</b> (Aspirational: Mapping complex overlapping IT network requirements)	<a href="#">MyPath: Maths - Why Bother?</a>
<b>3D Shapes</b>	<b>Bricklayer</b> (Accessible: Understanding the spatial arrangement of bricks and blocks) <b>Town Planner</b> (Public Sector: Visualising how new buildings will impact city skylines) <b>Industrial Product Designer</b> (Aspirational: Creating 3D CAD models for consumer technology)	<a href="#">icould.com</a>  <a href="#">My Learning, My Future</a>
<b>Surface Area &amp; Volume</b>	<b>Baker</b> (Accessible: Calculating tin volumes for cake batter and surface area for icing) <b>Water Treatment Worker</b> (Public Sector: Managing tank volumes for public water purification) <b>Chemical Engineer</b> (Aspirational: Designing massive industrial reactors and distillation columns)	<a href="#">BBC Bitesize Careers</a>  <a href="#">Lancashire Careers Hub Work Ready Booklet</a>
<b>Linear Graphs</b>	<b>Fitness Instructor</b> (Accessible: Charting client progress over time) <b>Climate Change Analyst</b> (Public Sector: Plotting and interpreting temperature/emission trends) <b>Economist</b> (Aspirational: Modeling supply, demand, and market forecasts)	<a href="#">MyPath: Maths - Why Bother?</a>
<b>Transformations</b>	<b>Tiler</b> (Accessible: Using tessellation, rotation, and reflection in pattern layouts) <b>Radiographer</b> (Public Sector: Rotating and reflecting X-ray/MRI images for diagnosis) <b>Video Game Animator</b> (Aspirational: Coding the movement and scaling of 3D characters)	<a href="#">icould.com</a>  <a href="#">My Learning, My Future</a>
<b>Angles</b>	<b>Roofer</b> (Accessible: Calculating the correct pitch and angle for water drainage) <b>Military / Navy Officer</b> (Public Sector: Calculating navigation bearings and firing)	<a href="#">BBC Bitesize Careers</a>  <a href="#">Lancashire Careers Hub Work Ready Booklet</a>

	trajectories) <b>Commercial Pilot</b> (Aspirational: Setting descent angles and flight paths)	
<b>Statistical Diagrams</b>	<b>Call Centre Operator</b> (Accessible: Reviewing daily performance charts and call times) <b>Public Health Analyst</b> (Public Sector: Mapping disease outbreaks using histograms and charts) <b>Market Research Director</b> (Aspirational: Presenting complex consumer data to global brands)	<a href="#">MyPath: Maths - Why Bother?</a>
<b>Inequalities</b>	<b>Quality Control Inspector</b> (Accessible: Checking if products fall within acceptable size limits) <b>Social Worker</b> (Public Sector: Determining if clients meet income thresholds for state support) <b>Financial Risk Analyst</b> (Aspirational: Setting boundaries for acceptable investment losses)	<a href="#">icould.com</a> <a href="#">BBC Bitesize Careers</a>
<b>Brackets</b>	<b>Scaffolder</b> (Accessible: Following formula rules to calculate load-bearing limits) <b>IT Support Technician</b> (Public Sector: Writing basic scripts or spreadsheet formulas for schools/hospitals) <b>Software Engineer</b> (Aspirational: Ensuring syntax and order of operations are perfect in code)	<a href="#">My Learning. My Future</a> <a href="#">MyPath: Maths - Why Bother?</a>
<b>Algebraic Fractions</b>	<b>Pharmacy Dispenser</b> (Accessible/Middle: Modifying formulas for partial prescriptions) <b>Civil Engineer</b> (Public Sector: Calculating stress fractions on public bridges and roads) <b>Quantitative Analyst</b> (Aspirational: Building complex fractional algorithms for hedge funds)	<a href="#">Lancashire Careers Hub</a> <a href="#">Work Ready Booklet</a> <a href="#">icould.com</a>
<b>Recurring Decimals</b>	<b>CNC Machinist</b> (Accessible: Entering precise repeating decimal measurements into machinery) <b>Payroll Clerk</b> (Public Sector: Handling complex hourly rates and prorated salaries for council staff)	<a href="#">MyPath: Maths - Why Bother?</a> <a href="#">BBC Bitesize Careers</a>

	<b>Forensic Accountant</b> (Aspirational: Tracking micro-discrepancies in corporate financial records)	
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