| Subject | Year | | Month | N N |
|--|--|---|---------|---|
| Mathematics | 8 | | January | Balcarras |
| Торіс: | | | | |
| APPLYING RATIOS AND PROPORTION 7 LESSONS | | | | |
| Content (Intent) | | | | |
| Prior Learning Y7 Feb: - Understand and use ratio notation Divide an amount in a given ratio Objectives • Understand the connections between ratios and fractions • Find a relevant multiplier in a situation involving proportion • Solve problems involving ratios and/or proportion in a real-life context (and apply a consistent method →) • conversion (exchange rate), • comparison (best buy / unit pricing), • recipes • scaling • Understand and use compound units (speed and density), solve problems involving speed • Convert between units of speed | | Future Learning Y9 : - Direct and inverse proportion - Any topic that links a question with ratios (e.g. algebra, angle problems, similar shapes, etc.) For teaching purposes Possible questions • convince me that this information shows a proportional relationship | | |
| Pedagogical notes (implementation) find the multiplier in situations involving proportion Mention units and other narrations in the ratio Image: State of the | | How will understanding be assessed & recorded (Impact) 8BAM8 Proportion End of term Assessment in March End of Year Assessment in June | | |
| $\begin{array}{c} & & \\ & & \\ & & \\ & & \\ & \\ & \\ & \\ & $ | | How can parents help at home? MathsWatch clips (Qualification KS3) 38, 39, 41, 42 | | |
| Further reading/discussion | | | | |
| Reading / Enrichment KM: Proportion for real KM: Investigating proportionality KM: Maths to Infinity: Fractions, decimals, percentages, ratio, proportion NRICH: In proportion NRICH: Ratio or proportion? NRICH: Roasting old chestnuts 3 Standards Unit: N6 Developing proportional reasoning | Literacy Ratio Proportion Proportional Multiplier Speed Unitary method Units Compound unit | | | Careers Links Stock analyst Retail banker Real estate agent Finances |