Octagon Overview

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| Unit | Lessons | **Essential knowledge** |
| Numbers and the number system | 8 | * Know the place value headings up to millions * Recall primes to 19 * Know the first 12 square numbers * Know the Roman numerals I, V, X, L, C, D, M * Know the % symbol * Know percentage and decimal equivalents for 1/2, 1/4, 1/5, 2/5, 4/5 * Know rough conversions between metric and Imperial units * Know that angles are measured in degrees * Know angles in one whole turn total 360° * Know angles in half a turn total 180° * Know that area of a rectangle = length × width |
| Counting and comparing 1 | 8 |
| Calculating: addition and subtraction | 8 |
| Visualising and constructing | 4 |
| Calculating: multiplication and division | 20 |
| Investigating properties of shapes | 4 |
| Exploring fractions, decimals and percentages | 12 |
| Measuring space | 8 |
| Investigating angles | 8 |
| Calculating fractions, decimals and percentages | 12 |
| Calculating space | 8 |
| Checking, approximating and estimating | 4 |
| Mathematical movement | 8 |
| Counting and comparing II | 4 |  |
| Exploring time | 4 |  |
| Presentation of data | 8 |  |



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| Week 1 | Week 2 | Week 3 | Week 4 | Week 5 | Week 6 | Week 7 | Week 8 | Week 9 | Week 10 | Week 11 | Week 12 | Week 13 |
| Numbers & the number system | | Counting and comparing I | | Addition and subtraction | | Visualising | Calculating: multiplication and division | | | | | Shapes |
| Week 14 | Week 15 | Week 16 | Week 17 | Week 18 | Week 19 | Week 20 | Week 21 | Week 22 | Week 23 | Week 24 | Week 25 | Week 26 |
| Assess / enrich | | Exploring fractions, decimals and percentages | | | Measuring space | | Investigating angles | | Calculating fractions, decimals and percentages | | | PtG / Go deeper |
| Week 27 | Week 28 | Week 29 | Week 30 | Week 31 | Week 32 | Week 33 | Week 34 | Week 35 | Week 36 | Week 37 | Week 38 | Week 39 |
| Assess / enrich | Calculating space | | Checking etc. | Mathematical movement | | Count/compare | Exploring time | Presentation of data | | Assess / enrich | Preventing the gap / Going deeper | |