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
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| 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 |