



CURRICULAR · MATH

Grade 8 Math

A 12-month Grade 8 math program of eight belts that builds from real numbers, fractions and proportions through percents and integers into algebra, functions, probability, geometry and data analysis.

8 belts

52 topics

Grade 8

Completes in 12 Months

○ White Belt 1

Level 1 · 6 Weeks

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|----------------------------------|----------------------------|
| 1. Real Numbers | 5. Exponents |
| 2. Rational & Irrational Numbers | 6. Polynomials & Exponents |
| 3. Rational Numbers & Operations | 7. Review/Assessment |
| 4. Factors | |

○ White Belt 2

Level 1 · 6 Weeks

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|---------------------------|----------------------|
| 1. Fractions | 5. Ratio |
| 2. Fraction Operations | 6. Proportions |
| 3. Decimal Operations | 7. Review/Assessment |
| 4. Mathematical Processes | |

● Yellow Belt 1

Level 2 · 5 Weeks

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|---|----------------------|
| 1. Numerical Proportions | 5. Percentage |
| 2. Geometric Proportions | 6. Using Integers |
| 3. Percents- Introduction & Application | 7. Review/Assessment |
| 4. Numbers & Percent | |

● Yellow Belt 2

Level 2 · 5 Weeks

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|-----------------------------|------------------------|
| 1. Integer Operations | 5. Linear Equations |
| 2. Algebra - Introduction | 6. Algebraic Equations |
| 3. Equations & Inequalities | 7. Review/Assessment |
| 4. Linear Relationships | |

● Green Belt 1

Level 3 · 6 Weeks

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|-------------------------------------|-----------------------------|
| 1. Algebraic Inequalities | 4. Sequences |
| 2. Solving Equations & Inequalities | 5. Experimental Probability |
| 3. Introduction To Functions | 6. Review/Assessment |

Green Belt 2

Level 3 · 6 Weeks

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|---------------------------------------|------------------------|
| 1. Theoretical Probability & Counting | 4. Pythagorean Theorem |
| 2. Lines & Angles - Plane Figures | 5. Area |
| 3. Similarity & Scale | 6. Review/Assessment |

Blue Belt 1

Level 4 · 6 Weeks

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|-----------------------------------|----------------------|
| 1. Exploring Area & Surface Area | 4. Finding Volume |
| 2. Area & Circumference Of Circle | 5. Measurement |
| 3. Perimeter | 6. Review/Assessment |

Blue Belt 2

Level 4 · 6 Weeks

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|---------------------------------|---|
| 1. Three Dimensional Geometry | 4. Analysing Graphing & Displaying Data |
| 2. Patterns In Geometry | 5. Collecting & Describing Data |
| 3. Using Graphs To Analyze Data | 6. Review/Assessment |