

| What? When? Why? | Lesson 1 Learning intentions (what can a student do at the end of the lesson) | Lesson 2 Learning intentions (what can a student do at the end of the lesson) | Lesson 3 Learning intentions (what can a student do at the end of the lesson) | Lesson 4 Learning intentions (what can a student do at the end of the lesson) |
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| Week 1 | Recognise enlargement and similarity | Enlarge a shape by a positive integer scale factor | Enlarge a shape by a positive integer scale factor from a point | Enlarge a shape by a positive fractional scale factor |
| Week 2 | Enlarge a shape by a negative scale factor (H) | Work out missing sides and angles in a pair of given similar shapes | Solve problems with similar triangles (H) | Explore ratios in right-angled triangles (H) |
| Week 3 | Solve problems with direct proportion (R) | Direct proportion and conversion graphs (R) | Solve problems with inverse proportion | Graphs of inverse relationships (H) |
| Week 4 | Solve ratio problems given the whole or a part (R) | Solve best buy problems | Solve problems involving ratio and algebra (H) | Solve speed, distance and time problems without a calculator |
| Week 5 | Solve speed, distance and time problems with a calculator | Use distance-time graphs | Solve problems with density, mass and volume | Solve flow problems and their graphs |