**Foundation GCSE Test 6 Revision List**

**Topic 21**

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| --- | --- |
| **Algebra – formulae, indices, brackets and factorising** | **MathsWatch Clip Number** |
| Substituting into an expression | **9593** |
| Expanding single brackets | **134a** |
| Expand a single bracket and collect like terms | **134a** |
| Expand and simplify quadratic brackets | **134b** |
| Use index laws | **82** |
| Factorise linear expressions | **94** |
| Factorise a quadratic expression | **157** |

**Topic 22**

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| **Number – indices and standard form** | **MathsWatch Clip Number** |
| Use index laws | **131** |
| Use index laws including negative and zero index values | **188** |
| Evaluate using index laws | **131** |
| Converting between standard form | **83** |
| Adding with standard form without a calculator | **83** |
| Standard form calculations | **83** |

**Topic 23**

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| **Geometry – circles** | **MathsWatch Clip Number** |
| Naming parts of a circle | **116** |
| Calculating the circumference of a circle | **118** |
| Calculating the perimeter of a semi-circle | **118** |
| Calculate the area of a circle. Rounding answer to significant figures. | **117** |
| Calculate the area of a partial circle. Rounding answer to significant figures. | **117** |

**Topic 24**

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| **Algebra – linear graphs** | **MathsWatch Clip Number** |
| Plotting vertical and horizontal lines. | **96** |
| Plotting an equation of a line. | **96** |
| Calculate the gradient and then the equation of a straight line. | **97** |
| Plotting an equation of a line with no axes given. |  |
| Finding the equation of a straight line. | **159a** |
| Identifying parallel lines from their equations. | **159b** |