

Year 7 Core Maths		
What concepts will we be covering this half term?		What resources can you use to support your learning?
<b>Unit 5: Fractions</b>		<b>Resources</b>
5.1 Comparing fractions	Use fraction notation to describe parts of a shape. Compare simple fractions. Use a diagram to compare two or more simple fractions.	<a href="#">Corbett Maths 143 Fractions of Shapes</a> <a href="#">Corbett Maths 144 Ordering Fractions</a>
5.2 Simplifying fractions	Change an improper fraction to a mixed number.  Identify equivalent fractions. Simplify fractions by cancelling common factors.	<a href="#">Corbett Maths 139 &amp; 140 Improper Fractions Mixed Numbers</a> <a href="#">Corbett Maths 135 Equivalent Fractions</a> <a href="#">Corbett Maths 146 Simplifying Fractions</a>
5.3 Working with fractions	Add and subtract simple fractions. Calculate simple fractions of quantities.	<a href="#">Corbett Maths 133 Add &amp; Subtract Fractions</a> <a href="#">Corbett Maths 137 Fraction of an Amount</a>
5.4 Fractions and decimals	Work with equivalent fractions and decimals.  Write one number as a fraction of another.	<a href="#">Corbett Maths 130 &amp; 131 Fractions Decimals Percentages</a> <a href="#">Corbett Maths 136 Expressing as a Fraction</a>
5.5 Understanding percentages	Understand percentage as 'the number of parts per 100'. Convert a percentage to a number of hundredths or tenths. Work with equivalent percentages, fractions and decimals.	<a href="#">Oak Academy Percentages</a>
5.6 Percentages of amounts	Use different strategies to calculate with percentages. Express one number as a percentage of another.	<a href="#">Corbett Maths 234 Percentage of an amount non-calc</a> <a href="#">Corbett Maths 237 Expressing as a percentage</a>

Unit 6: Probability		Resources
6.1 The language of probability	Use the language of probability. Use a probability scale with words. Understand the probability scale from 0 to 1.	<a href="#">Oak Academy Probability</a> - <a href="#">Corbett Maths 251 Probability Scale</a>
6.2 Calculating probability	List and count outcomes. Calculate probability based on equally likely outcomes. Compare probabilities.	<a href="#">Corbett Maths 244 &amp; 245 Probability</a> <a href="#">Corbett Maths 253 Probability Listing Outcomes</a> <a href="#">Oak Academy Probability</a>
6.3 More probability calculations	Calculate probability of A or B happening by counting outcomes. Calculate the probability of an event not happening.	
6.4 Experimental probability	Record data from a simple experiment. Estimate probability based on experimental data. Make conclusions based on the results of an experiment.	<a href="#">Corbett Maths 248 Relative Frequency</a>
6.5 FINANCE: Expected outcomes	Use probability to estimate the number of expected wins in a game. Apply probabilities from experimental data in simple situations.	

### Tasks to complete so we can assess your understanding/ Key Performance Indicator tasks

Complete MathsWatch homework assignments set by your maths teacher. <https://vle.mathswatch.co.uk/vle/>

### What can you do if you need help/ support?

Email your maths teacher, or one of the maths department lead teachers:

Mrs J Cooke (Head of Department): [JCooke@netherthorpe.derbyshire.sch.uk](mailto:JCooke@netherthorpe.derbyshire.sch.uk)

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