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Probability & Algebra

Year 8 Term 3



Tables & Probability	Brackets & Equations	Inequalities	
Probability – the likelihood of an event happening. Probabilities are written as fractions, decimals or percentages.	 Unknown – a letter representing a value we don't know. The value is fixed and can be worked out. Equation – states that 2 things are equal. It has an equals sign. 	<pre>Inequality – compares the sizes of two values or expressions. When writing inequalities we use the following symbols: = Equal to ≠ Not equal to</pre>	
Event – a <u>possible</u> outcome of an experiment. <i>Example: When a coin is tossed, the possible</i> <i>events are Tails or Heads.</i> P(event) means the probability of an event	Solve – to find the value of the unknown. <u>Example</u> 2y + 5 = 13 is an equation where y is an unknown.		
happening. Outcome – the <u>result</u> of an experiment or event	We solve the equation to find y. y = 4 is the solution.	> Greater than≥ Greater than or equal to	
Fair – every outcome has an equally likely chance of happening.	Expand – re-write without brackets by doing a	< Less than < Less than or equal to	
Biased – every outcome does NOT have an equally likely chance of happening.	multiplication. Example: $4(x - 2) \equiv 4x - 8$		
Sample space – all the possible outcomes of an experiment. A sample space diagram organises these outcomes.		larger t stildlier	
Two-way table – a way to organise 2 categories of data. Has a dog A dog but no cat Has a dog 5 7 No dog 10 4 A cat but no dog Neither a cat nor a dog	Factorise – re-write an expression with brackets by identifying the highest common factor. <i>Example:</i> $6x + 12 \equiv 6(x + 2)$		