

## INDEPENDENT LEARNING PROJECT TASK SHEET

<b>Subject:</b> Maths	<b>Project title:</b> A part of a project.
<b>Project task:</b> To produce a revision tool (booklet, power point etc) about fractions and percentages.	

<p><b>Key questions:</b></p> <ul style="list-style-type: none"> <li>• How do we convert between fractions and percentages? Can we compare a fraction with a percentage?</li> <li>• Can we find percentages and fractions of amounts? Can we find one amount as a fraction or percentage of another?</li> <li>• What is a multiplier?</li> </ul>	<p><b>Project should include:</b></p> <ul style="list-style-type: none"> <li>• Comparisons made between a fraction of one number and a percentage of another.</li> <li>• Annotated examples of how fractions and percentages can be used to solve problems.</li> <li>• A test to give yourself to aid with your SAT revision. This could include past SAT questions.</li> </ul>
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**Use the outcome levels below to help you see what you should be aiming to achieve.**

Outcome levels	
<b>Level 3</b>	Percentage and fraction notation are used correctly.
<b>Level 4</b>	Fractions and percentages are used to describe proportions of a whole. Fractions with a common denominator are added and subtracted. Simple conversions, such as a half or quarter, between fractions and percentages are made.
<b>Level 5</b>	A fraction of an amount can be found. A percentage of an amount can be found. Fractions are simplified to the simplest form. Percentages are converted into fractions and vice versa.
<b>Level 6</b>	Fractions with different denominators are added and subtracted. Fractions are multiplied and divided. A fraction or percentage of an amount can be compared with another.
<b>Level 7</b>	An amount is increased or decreased by a percentage using a multiplier.
<b>Level 8</b>	Repeated proportional changes are calculated using a percentage or fraction. The original quantity before a proportional change can be found.