

Compound Growth and Decay *ramp up*



a Increase 200 by 10%, then by 10% again 	b Decrease 200 by 10%, then by 10% again 	c Write one multiplier for 5% growth a year for 3 years 	d 400 grows by 5% a year. Find its value after 3 years.
e Find the compound interest earned on £500 at 2% a year for 3 years 	f 2000 falls by 20% a year. Find its value after 3 years. 	g Increase 400 by 10%, then by 5% 	h A value grows by 10% a year for 3 years. Find the overall percentage change.
i A value goes up 20%, then down 20%. Find the overall percentage change. 	j A value grows by 10% a year. How many whole years until it doubles? 	k After 2 years of 10% growth a value is 605. Find the original value. 	l 800 grows to 882 in 2 years at a compound rate. Find the yearly rate.

The Maths Habit

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