

Maths Workout - Number

Topic 20 - Percentages 2				
Target 1	Target 2	Target 3	Target 4	Target 5
<i>Express one quantity as a percentage of another</i>	<i>Calculate the actual change and new value for a percentage change</i>	<i>Calculate the percentage change given original and new value</i>	<i>Calculate the original value after a percentage change (reverse percentages)</i>	<i>Calculate compound interest year-by-year and by using a multiplying factor</i>
1. Express a number as a % of a greater number < 11 with assistance	1. Calculate the actual change and the new value in a % increase < 100%; with assistance	1. Calculate the % increase given the original amount and the actual change; with assistance	1. Calculate the original value after a % increase; with assistance	1. Calculate compound interest year-by-year over 2 years; with assistance
2. Express a number as a % of a greater number < 41 with assistance	2. Calculate the actual change and the new value in a % increase < 100%; with assistance	2. Calculate the % increase given the original and final amount; with assistance	2. Calculate the original value after a % increase; with assistance	2. Calculate compound interest year-by-year over 2 years; with assistance
3. Express a number as a % of a greater number < 11	3. Increase a value by a percentage < 100%	3. Calculate the % decrease given the original amount and the actual change; with assistance	3. Calculate the original value after a % decrease; with assistance	3. Calculate compound interest year-by-year over 3 years; with assistance
4. Express a number as a % of a greater number < 51	4. Increase a value by a % > 100%	4. Calculate the % decrease given the original and final amount; assistance	4. Calculate the original value after a % decrease; with assistance	4. Calculate compound interest year-by-year over 3 years; with assistance
5. Express a number as a % of a greater number < 100	5. Calculate the actual change and the new value in a % decrease; with assistance	5. Calculate the % change given the original and final amount	5. Calculate the original value after a % change	5. Calculate compound interest year-by-year over 2 or 3 years
6. Express a number as a % of a lesser number < 100	6. Calculate the actual change and the new value in a % decrease; with assistance	6. Calculate the % change given the original and final amount; larger numbers	6. Complete a table of original values given the % change and whole final values	6. Complete a table of values of compound interest calculated year-by-year over 2 to 4 years
7. Express an amount in pence as a % of a greater amount in whole pounds	7. Mixed questions on increasing or decreasing a value by a % < 100%	7. Complete a table of actual and % changes; whole final value	7. Complete a table of original values given the % change and fractional final values	7. Identify the multiplying factor for a % increase < 100%
8. Express an amount in pence as a % of a greater amount	8. Complete a table of % increases and decreases	8. Complete a table of actual and % changes; fractional final value	8. Complete a table of original values given the % increase > 100% and final values	8. Identify the multiplying factor for a % increase > 100%
		9. Complete a table of actual increases and % increases > 100%; whole final value		9. Calculate compound interest over 2 years using a multiplying factor; with assistance
		10. Complete a table of actual increases and % increases > 100%; fractional final value		10. Calculate compound interest over 3 years using a multiplying factor; with assistance
				11. Calculate compound interest over 4 years using a multiplying factor; with assistance
				12. Calculate compound interest over 2 to 4 years using a multiplying factor
				13. Complete a table of compound interest over 2 to 11 years using a multiplying factor