

Name

Date



## PERCENTAGE CHANGE WORD PROBLEMS 1 UK VERSION

Work out the percentage change.

Working out

- 1) I have £2500 which I leave in a savings account for a year. At the end of the year it is worth £2600.



*What is the percentage increase?*

- 2) A laptop is reduced from £820 to £750 in a sale.



*What is the percentage reduction in price?*

- 3) Tyger scores 15 in a spelling test. He scores 18 the next week.



*What is the percentage change?*

- 4) Frazer cycles 125 miles in one week. He cycles 110 miles the following week.



*What is the percentage change?*

- 5) A chocolate bar is made with a new recipe which reduces the number of calories from 500 to 420.

*What is the percentage decrease in calories?*

- 6) In January, there is 5.2 inches of rainfall in Seattle. In February, there is 4.1 inches.



*What is the percentage change?*






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## PERCENTAGE CHANGE WORD PROBLEMS 1 ANSWERS UK VERSION

Work out the percentage change.

	Working out
1) I have £2500 which I leave in a savings account for a year. At the end of the year it is worth £2600. 	$2600 - 2500 = 100$ $100 \div 2500 = 0.04$ $0.04 \times 100 = 4\%$
<i>What is the percentage increase?</i>	<i>4% increase</i>
2) A laptop is reduced from £840 to £714 in a sale. 	$714 - 840 = -126$ $-126 \div 840 = -0.15$ $-0.15 \times 100 = -15\%$
<i>What is the percentage reduction in price?</i>	<i>15% reduction</i>
3) Tyger scores 15 in a spelling test. He scores 18 the next week. 	$18 - 15 = 3$ $3 \div 15 = 0.2$ $0.2 \times 100 = 20\%$
<i>What is the percentage change?</i>	<i>20% increase</i>
4) Frazer cycles 125 miles in one week. He cycles 110 miles the following week. 	$110 - 125 = -15$ $-15 \div 125 = -0.12$ $-0.12 \times 100 = -12\%$
<i>What is the percentage change?</i>	<i>-12% (or a 12% decrease)</i>
5) A chocolate bar is made with a new recipe which reduces the number of calories from 500 to 420.	$420 - 500 = -80$ $-80 \div 500 = -0.16$ $-0.16 \times 100 = -16\%$
<i>What is the percentage decrease in calories?</i>	<i>16% decrease</i>
6) In October, there is 3.2 inches of rainfall in Seattle. In November, there is 5.6 inches 	$5.6 - 3.2 = 2.4$ $2.4 \div 3.2 = 0.75$ $0.75 \times 100 = 75\%$
<i>What is the percentage change?</i>	<i>75% increase</i>