

Name

Date



PERCENTAGE INCREASE / DECREASE WORD PROBLEMS 1

Use the percentage increases and decreases to answer these problems.

Working out

- 1) I have \$3500 which I leave in a savings account for a year. The interest rate on the account is 3%.



How much will I have at the end of a year?

- 2) A laptop normally costs \$640. It is reduced by 15% in a sale.



What is the sale price of the laptop?

- 3) Tyger scores 28 in a spelling test. His score improves by 25% the following week.



What was his score?

- 4) Frazer cycles 160 miles in one week. He cycles 20% fewer miles the following week.



How far did he cycle?

- 5) A Boeing 747 is at 25,000 ft. It climbs another 40% to get to cruising altitude.



What is the cruising altitude of the plane?

- 6) The driest month in Montreal had 2.5 inches of rainfall. The wettest month had 40% more rainfall.



How many inches did the wettest month have?







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PERCENTAGE INCREASE / DECREASE WORD PROBLEMS 1 ANSWERS

Use the percentage increases and decreases to answer these problems.

		Working out
1)	I have \$3500 which I leave in a savings account for a year. The interest rate on the account is 3%. 	$3\% \text{ of } \$3500 = \105 $\$3500 + \$105 = \$3605$
<i>How much will I have at the end of a year?</i>		\$3,605
2)	A laptop normally costs \$640. It is reduced by 15% in a sale. 	$15\% \text{ of } \$640 = \96 $\$640 - \$96 = \$544$
<i>What is the sale price of the laptop?</i>		\$544
3)	Tyger scores 28 in a spelling test. His score improves by 25% the following week. 	$25\% \text{ of } 28 = 7$ $28 + 7 = 35$
<i>What was his score?</i>		35
4)	Frazer cycles 160 miles in one week. He cycles 20% fewer miles the following week. 	$20\% \text{ of } 160 = 32$ $160 - 32 = 128$
<i>How far did he cycle?</i>		128 miles
5)	A Boeing 747 is at 25,000 ft. It climbs another 40% to get to cruising altitude. 	$40\% \text{ of } 25,000 = 10,000$ $25,000 + 10,000 = 35,000$
<i>What is the cruising altitude of the plane?</i>		35,000 ft
6)	The driest month in Montreal had 2.5 inches of rainfall. The wettest month had 40% more rainfall. 	$40\% \text{ of } 2.5 = 1.0$ $2.5 + 1.0 = 3.5$
<i>How many inches did the wettest month have?</i>		3.5 inches