

Percentages: Percentage change scenarios

Copy, cut into separate sheets and distribute for exploration discussion.

Problem	Result and explanation
<p>a. The price of \$200 increased by 15%.</p> <p>b. The price of \$200 increased to 115% of the price.</p> <p>c. The price of \$200 increased by 100%</p> <p>d. There was a 200% increase in the \$200 price.</p> <p>e. The price of \$200 increased to 300% of the original price.</p> <p>f. The price of \$200 decreased by 100%.</p> <p>g. There was a 50% decrease in the \$200 price.</p> <p>h. The \$200 price increased by 20% then decreased by 20%.</p> <p>i. The \$200 price decreased by 20% then increased by 20%.</p>	

Extra problems	Result and explanation
<p>a. If you travel 50% faster does this halve the time taken?</p> <p>b. If a price increases then by 25% then decreases by 25% is it back to the original price?</p> <p>c. Is 50% of 50% 25%? How do you know?</p> <p>d. If there is an increase of 500%, is the final amount 6 times the original amount?</p> <p>e. If there is a decrease of 100% in an amount will the result be zero? Why/Why not?</p>	