

# Percent Increase/Decrease Math 1020 Key

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$$1. 205 + 205 * .055 = 1.055 * 205 = \$216.28$$

$$2. 300 - 300 * .45 = .55 * 300 = \$165$$

$$3. 15,000 - 15,000 * .1 = .9 * 15,000 = \$13,500$$

$$13,500 + 13,500 * .06 = 1.06 * 13,500 = \$14,310$$

$$4. 47,833 - 43,231 = 4602$$

$$\frac{4602}{43231} = .10645... \approx 10.6\%$$

$$47,833 + .106 * 47,833 = 1.106 * 47,833 = 52,925$$

$$5. X + X * .065 = 1.065X = 201.24$$

$$X = \frac{201.24}{1.065} = \$188.96$$

$$6. X + .35X = 1.35X = 35.99$$

$$\frac{35.99}{1.35} = X = \$26.66$$

$$7. X - .70X = .3X = \$500$$

$$X = \frac{500}{.3} = \$1666.67$$

$$8. 35,000 (1.04)^5 = \$42,582.85$$