

Percent Increase or Percent Decrease

%↑ or %↓

$$\frac{\text{Original amount} - \text{new amount}}{\text{Original amount}} = \% \uparrow \downarrow$$

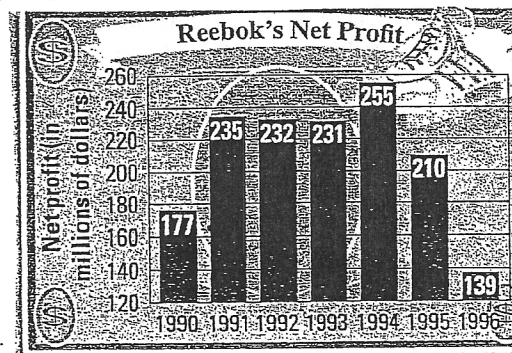
Try: Find the % increase or decrease

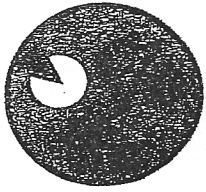
- 1.) 2005 middle school enrollment = 610
2006 middle school enrollment = 635

- 2.) Long distance phone call rates

1997 = \$0.31 per minute
1998 = \$0.28 per minute

- 3.) Find the change in profits each year for Reebok.

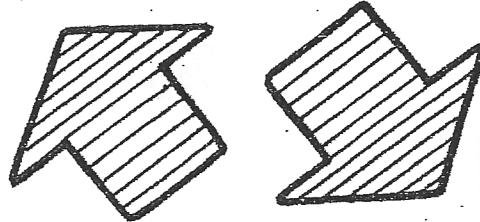




Name _____

UPS AND DOWNS

An amount of change can be stated as a percent of increase or percent of decrease. To determine the percent of change, divide the amount of change by the original quantity.



Ex. Membership increased from 200 to 250.
Amount of increase: $250 - 200 = 50$
Percent of increase: $50/200$ or 25%

Price dropped from \$200 to \$180.
Amount of decrease: $200 - 180 = 20$
Percent of decrease: $20/200$ or 10%

For each situation, determine the amount of change and the percent of change.

1. After the tune-up, the car's gas mileage increased from 25 mpg to 28 mpg.

6. A picture was reduced from 12" to 8".

2. The price of gasoline dropped from \$.96 to \$.90.

7. A picture was enlarged from 8" to 12".

3. The infant's weight increased from 7.5 lbs. to 9 lbs.

8. The 5' sapling grew into a 12' tree.

4. Sale price of a \$125 suit was \$100.

9. The budget was cut from \$25,000 to \$20,000.

5. Company profits increased from \$2 million to \$3 million.

10. The salary increased from \$20,000 to \$25,000.

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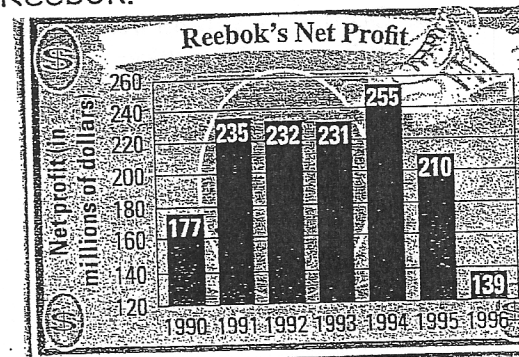
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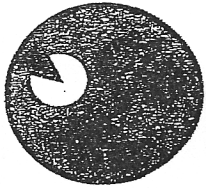
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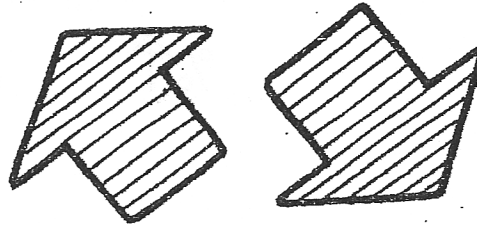




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