

Chapter 7 sec 4

Percent increase

Page 529: EXAMPLE 1. A salesperson is granted a 5% salary increase. If the salesperson's current salary is \$4,000 per month, what will be his new salary?

Page 530: EXAMPLE 2. A salesperson making a salary of \$4,500 per month has his salary increased to \$5,000 per month. What is the percent increase?

Percent decrease

Page 531: EXAMPLE 3. Due to a mill closure, the population of Silvertown decreases by 8.5%. If the original population was 10,200 hardy souls, what is the new population?

Page 532: EXAMPLE 4. Millertown falls on hard times and its population decreases from 11,256 to 10,923 in the space of one year. What is the percent decrease, rounded to the nearest hundredth of a percent?

Discount:

Page 534: EXAMPLE 5. A pair of skis is marked at \$310. However, a sign in the shop indicates that skis are being discounted at 15%. What will be the new selling price of the skis?

Page 535: EXAMPLE 6. A pair of ski boots marked at \$210 is sold for \$180. Find the percent discount, correct to the nearest tenth of a percent.