

Percent of Change Word Problems

Answer each question.

1. Sonya's heart rate was 76 beats per minute. She ran a mile on her treadmill and checked her heart rate again. This time, her heart rate was 133 beats per minute. What was the percent increase in Sonya's heart rate?

75%

2. Last year, a taco truck ordered 3,000 pounds of cheese. This year, they ordered 2,100 pounds of cheese. What was the percent decrease in the pounds of cheese the taco truck ordered?

30%

3. There were 425 people at the Lincoln County High School football game last week. This week, 357 people attended the game. What was the percent decrease in attendance?

16%

4. Isaac is growing a tomato plant. When he measured his plant in June, it was 4.5 inches tall. By July, it was 11.25 inches tall. What was the percent increase in the height of Isaac's tomato plant from June to July?

150%

5. A video game console at Games Galore normally costs \$399.50, but all consoles are marked down by 20% this week. What is the price of a video game console this week?

\$319.60

6. At one point, there were only 2,410 black rhinos left on Earth. With the help of conservation efforts, the black rhino population then increased by about 130%. About how many black rhinos were on Earth then?

5,543 black rhinos

7. There were 832 copies of *Loretta's Lion* sold within its first year of being published. In the second year, the number of copies sold was 12.5% less than the first year. How many copies of *Loretta's Lion* were sold in the second year?

728 copies

8. Kat competed in the long jump at the state track meet. Her first jump was 4.8 meters. Her second jump was 15% longer than her first jump. What was the length of Kat's second jump?

5.52 meters