

PLEASE SHOW ALL CALCULATIONS.

1. A shop buys kettles for \$40 and sells them for \$48. _____
What is the percent that the price increased by?

2. The cost of a plane ticket from Syracuse to Boston _____
cost \$270 a few weeks ago. Now it costs \$324.
By what percentage has the cost of the ticket increased by?

3. James weighed 95 kilograms before he started going on a diet. _____
Now he weighs 61 kilograms. By what percent has his weight
decreased by? *Round your answer to the nearest tenth of a percent.*

4. In 2008, 29-million people worldwide owned a smartwatch. _____
By 2016, this number had gone up to 44.9-million people.
What is the percent increase in the number of people who
owned a smartwatch? *Round to the nearest hundredth of a percent.*

5. In 2007, 10.3-million smartphones were sold in Slovakia. _____
In 2016, this dropped to 5.4-million. What is the percent
decrease in the number of smartphones sold? *Round to the
nearest tenth of a percent.*

Name _____

Math 7: Finding the Percentage Change

6. A store buys jackets for \$30 and sells them for \$39. _____
What is the percent increase in the price of the jackets?

7. The cost of a plane ticket from NYC to Washington, DC _____
cost \$220 last month. Now it costs \$308. By what percentage
has the cost of the ticket increased by?

8. Ned weighed 95 kilograms before he started going on a diet. _____
Now he weighs 71 kilograms. By what percent has his weight
decreased by? *Round to the nearest tenth of a percent.*

9. In 2007, 10.8-million tablets were sold in the United States. _____
In 2015, this dropped to 5.3-million. What is the percent
decrease in the number of tablets sold? *Round your answer
to the nearest tenth of a percent.*

10. Last year I used a total of 28 gigabytes of data. But this year _____
I used 43.1 gigabytes of data. What is the percent increase in
the number of gigs I used? *Round to the nearest hundredth of a percent.*