

Percent Increase or Decrease Worksheet

Decide whether the change is an increase or decrease $\uparrow\downarrow$ and find the

percent using the formula $\frac{\text{change}}{\text{original}}$.

1. Before: 10
After: 12

2. Before: 15
After: 12

3. Before: 75
After: 60

4. Before: 110
After: 143

5. Before: 90
After: 200

6. Before: 260
After: 160

7. 1994 Cost: \$171.33
1995 Cost: \$201.59

8. Regular Price: \$31.99
Sale Price: \$22.39

9. Start Price: \$521.73
End Price: 413.68

10. 2004 Cost: \$18.77
2005 Cost: \$19.17

11. Original Number: 45
New Number: 72

12. Original Number: 45
New Number: 18

Percent of Change – Given the %, Find the Missing Number

Use the $\frac{\text{change}}{\text{original}} = \frac{\%}{100}$ proportion, fill in what you know and solve for the missing number.

1. Last year the 6th grade had 350 students. This year the number decreased 36%. How many students are in this year's 6th grade class?

2. Enrollment in the Ski/Snowboard Club increased by 30% this year. There are now 182 students in the club. How many students were there last year?

3. The Game Stop is having a sale and all games are reduced by 55%. If a game is now \$29.99, what was the original price? Round your answer to the nearest cent.

4. AYSO has 18 8th grade boys' teams this year, but this is a 28% (rounded to the nearest whole number) decrease from the prior year. How many 8th grade teams were there last year?