

# 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 6<sup>th</sup> grade had 350 students. This year the number decreased 36%. How many students are in this year's 6<sup>th</sup> 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 8<sup>th</sup> grade boys' teams this year, but this is a 28% (rounded to the nearest whole number) decrease from the prior year. How many 8<sup>th</sup> grade teams were there last year?

# Percent Increase or Decrease (A)

Find the percent of increase or decrease.

Increase or Decrease?

1. Original Amount: 300  
New Amount: 180  %

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2. Original Amount: 50  
New Amount: 92  %

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3. Original Amount: 140  
New Amount: 35  %

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4. Original Amount: 500  
New Amount: 645  %

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5. Original Amount: 360  
New Amount: 414  %

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6. Original Amount: 370  
New Amount: 444  %

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7. Original Amount: 500  
New Amount: 265  %

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8. Original Amount: 350  
New Amount: 581  %

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9. Original Amount: 400  
New Amount: 76  %

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10. Original Amount: 250  
New Amount: 235  %

## Percent of Change

**Find each percent change to the nearest percent. State if it is an increase or a decrease.**

- 1) From 45 ft to 92 ft
- 2) From 74 hours to 85 hours
- 3) From 74 ft to 75 ft
- 4) From 36 inches to 90 inches
- 5) From 94 miles to 34 miles
- 6) From 12 ft to 23 ft
- 7) From 83 hours to 76 hours
- 8) From 24 grams to 96 grams
- 9) From 20 tons to 99 tons
- 10) From 16 tons to 72 tons
- 11) From 117 minutes to 91 minutes
- 12) From 188 m to 42 m