

## Change Expressed as a Percent Exit Quiz

**Part A Instructions:** Choose the option that completes the sentence or answers the question.

1. If the percent change is positive, there is a:

- a. Percent decrease
- b. Percent increase
- c. Neither a percent increase nor a percent increase
- d. None of these

2. The percent error is:

- a. Always negative
- b. Always positive
- c. Can be both positive or negative
- d. None of these

3. The greatest possible error GPE is given as:

- a.  $GPE = \frac{1}{2} \times 2$  units of measurement
- b.  $GPE = \frac{1}{2} \times 1$  unit of measurement
- c.  $GPE = \frac{1}{4} \times 1$  unit of measurement
- d. None of these

4. Find the percent change if the price of a watch changes from 158.49\$ to 149.99\$. Round to the nearest percent.

- a. 40%
- b. 10%
- c. 5%
- d. 50%

**Part B Instructions:** Answer the question below.

5. John estimated the height of a tree to be 45 ft. The actual height of the tree was 58 ft. Find the percent error in the estimation rounded to the nearest percent.

Percent Error = \_\_\_\_\_

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### Answers

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4. Find the percent change if the price of a watch changes from 158.49\$ to 149.99\$. Round to the nearest percent.

- a. 40%
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**Part B Instructions:** Answer the question below.

5. John estimated the height of a tree to be 45 ft. The actual height of the tree was 58 ft. Find the percent error in the estimation rounded to the nearest percent.

Percent Error = 22%