

## Chapter 6 TEST Whiteboard Review

1. You spend  $\frac{1}{4}$  of an hour working on homework, 0.6 of the hour playing on your phone, and 15% of the hour babysitting. Write the **tasks** in order from least amount of time to greatest.

**Write and solve a proportion or an equation to answer the question.**

2. 45% of what number is 25?      3. 75 is what percent of 60?      4. What number is 18% of 90?

**Find the percent of change. Identify the percent of change as an *increase* or *decrease*. Round to the nearest tenth of a percent, if necessary.**

5. 12 flowers to 21 flowers      6. 24 snowmen to 10 snowmen

**Find the original price, discount, sale price, or selling price.**

7. Original price: \$76  
Discount: 10%  
Sale price: ?
8. Original price: \$210  
Discount: ?  
Sale price: \$178.50
9. Original price: ?  
Discount: 42%  
Sale price: \$20.88
10. Cost to store: \$47  
Markup: 18%  
Selling price: ?

**An account earns annual simple interest. Find the interest earned, principal, interest rate, or time.**

11. Interest earned: \$60  
Principal: \$400  
Interest rate: 5%  
Time: ?
12. Interest earned: ?  
Principal: \$2000  
Interest rate: 3.5%  
Time: 4 years
13. Interest earned: \$2  
Principal: ?  
Interest rate: 4%  
Time: 6 months
14. Interest earned: \$426  
Principal: \$1200  
Interest rate: ?  
Time: 5 years

15. You deposit \$300 in an account that earns 4% simple interest. Find the balance of the account after 3 years.

## Answer Key

1. babysitting, homework, phone
2.  $55.\overline{5}$
3. 125%
4. 16.2
5. 75% increase
6. 58.3% decrease (directions ask you to round to the nearest tenth!)
7. \$68.40
8. 15% discount (use % of change formula!)
9. \$36
10. \$55.46
11. 3 years
12. \$280
13. \$100 (notice time is given in months!)
14. 7.1%
15. \$336 (need balance!)