

## 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.**

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| 7. Original price: \$76<br>Discount: 10%<br>Sale price: ?        | 8. Cost to store: \$47<br>Markup: 18%<br>Selling price: ?      | 9. Original price: ?<br>Discount: 42%<br>Sale price: \$20.88 |
| 10. Original price: \$210<br>Discount: ?<br>Sale price: \$178.50 | 11. Original price: \$95<br>Discount: ?<br>Sale price: \$61.75 |  |

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

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|---|--|
| 12. Interest earned: \$60<br>Principal: \$400<br>Interest rate: 5%<br>Time: ?   | 13. Interest earned: ?<br>Principal: \$2000<br>Interest rate: 3.5%<br>Time: 4 years  |
| 14. Interest earned: \$2<br>Principal: ?<br>Interest rate: 4%<br>Time: 6 months | 15. Interest earned: \$426<br>Principal: \$1200<br>Interest rate: ?<br>Time: 5 years |
16. 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. \$55.46
9. \$36
10. 15% discount (use % of change formula!)
11. 35% discount (use % of change formula!)
12. 3 years
13. \$280
14. \$100 (notice time is given in months!)
15. 7.1%
16. \$336 (need balance!)