### Lesson 23 Practice Problems

1. Complete each statement.
   * 20% of 60 is \_\_\_\_\_\_\_\_
   * 25% of \_\_\_\_\_\_\_\_ is 6
   * \_\_\_\_\_\_\_\_% of 100 is 14
   * 50% of 90 is \_\_\_\_\_\_\_\_
   * 10% of \_\_\_\_\_\_\_\_ is 7
   * 30% of 70 is \_\_\_\_\_\_\_\_



1. A store is having a 20%-off sale on all merchandise. If Mai buys one item and saves $13, what was the original price of her purchase? Explain or show your reasoning.
2. The original price of a scarf was $16. During a store-closing sale, a shopper saved $12 on the scarf. What percentage discount did she receive? Explain or show your reasoning.
   1. To find 40% of 75, Priya calculates . Does her calculation give the correct value for 40% of 75? Explain or show how you know.
   2. If represents a number, does always represent 40% of that number? Explain your reasoning.
3. Han spent 75 minutes practicing the piano over the weekend. For each question, explain or show your reasoning.
   1. Priya practiced the violin for 152% as much time as Han practiced the piano. How long did she practice?
   2. Tyler practiced the clarinet for 64% as much time as Han practiced the piano. How long did he practice?
4. An ant travels at a constant rate of 30 cm every 2 minutes.
   1. At what pace does the ant travel per centimeter?
   2. At what speed does the ant travel per minute?

* (From Unit 2, Lesson 18.)



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