

Date \_\_\_\_\_

Use the RDW process for each problem. Use a letter to represent the unknown.

1. There are 60 minutes in 1 hour. Use a tape diagram to find the total number of minutes in 6 hours and 15 minutes.
2. Ms. Lemus buys 7 boxes of snacks. Each box has 12 packets of fruit snacks and 18 packets of cashews. How many snack packets does she buy altogether?
3. Tamara wants to buy a tablet that costs \$437. She saves \$50 a month for 9 months. Does she have enough money to buy the tablet? Explain why or why not.

4. Mr. Ramirez receives 4 sets of books. Each set has 16 fiction books and 14 non-fiction books. He puts 97 books in his library and donates the rest. How many books does he donate?
5. Celia sells calendars for a fundraiser. Each calendar costs \$9. She sells 16 calendars to her family members and 14 calendars to the people in her neighborhood. Her goal is to earn \$300. Does Celia reach her goal? Explain your answer.
6. The video store sells science and history movies for \$5 each. How much money does the video store make if it sells 33 science movies and 57 history movies?

## Answer Key

1. 375 minutes; solution includes model and equation with unknown
2. 210; solution includes model and equation with unknown
3. Yes; explanations will vary; solution includes model and equation with unknown
4. 23; solution includes model and equation with unknown
5. No; explanations will vary; solution includes model and equation with unknown
6. \$450; solution includes model and equation with unknown