

DIGITAL



- 1. Two cars are traveling at the same rate. Car A travels for five hours and travels 50 more miles than Car B. Car B travels for four hours. Write and solve an equation to determine the rate of the two cars.
- 2. In a uniform motion problem, explain how to find the expression for time.
- **3.** In a uniform motion problem, explain how you know whether to add the expressions for time or set them equal.
- **4.** Ben can mow the yard in 40 minutes. Chris can mow the same yard in 20 minutes. Explain why the average of the two times, 30 minutes, is not the correct time it will take for the two to cut the grass together.
- **5.** A carpenter can build a tree house in two days. Explain why his rate of work is $\frac{1}{2}$. What is the unit of measurement for the rate $\frac{1}{2}$?

Cumulative Review

Simplify.

| 1 . $\sqrt{121}$ | 2 . $\sqrt{49}$ | 3. $\sqrt{25}$ | 4. $\sqrt{169}$ |
|-------------------------------------|-----------------------------------|-------------------------------------|------------------------|
| 5 . $\sqrt{196}$ | 6. $\sqrt{400}$ | 7. $\sqrt{1} \cdot \sqrt{9}$ | 8 . −2√16 |
| 9. $4\sqrt{25} + 3\sqrt{81}$ | 10. $(\sqrt{36})^2 \div 9$ | | |

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Module 16 Lesson 4