



## Unit 5 Open Response Assessment

### Making Sense of Multiplication Strategies

Sofia walks to and from work. She works 48 weeks in a year. Each week she walks 27 miles.

Sofia used multiplication to figure out how many miles she walks in a year.

$$\begin{array}{r}
 48 \\
 * 27 \\
 \hline
 280 \\
 56 \\
 16 \\
 80 \\
 \hline
 332 \text{ miles}
 \end{array}
 \qquad
 \begin{array}{l}
 40 * 7 \\
 7 * 8 \\
 2 * 8 \\
 2 * 40
 \end{array}$$

Shawn thought Sofia was incorrect. Here is his thinking:

*48 weeks is almost 50 weeks.*

*27 miles is almost 30 miles.*

*50 \* 30 = 1,500 miles*

- ① What does Shawn's estimate tell you about Sofia's answer?



## Unit 5 Open Response Assessment (continued)

- ② Is Sofia's answer correct? If not, circle any significant errors and tell her how to correct her work.