🌎 **BOAT TRIP** In Exercises 8–11, use the following information.

You are on a boat on the Seine River in France. The boat's speed is 32 kilometers per hour. The Seine has a length of 764 kilometers, but only 547 kilometers can be navigated by boats. How long will your boat ride take if you travel the entire navigable portion of the Seine? Use the following verbal model.

$$\boxed{\text{Distance}} = \boxed{\text{Rate}} \cdot \boxed{\text{Time}}$$

8. Assign labels to the parts of the verbal model.

9. Use the labels to translate the verbal model into an algebraic model.

10. Solve the algebraic model.

11. Answer the question.

🌎 **MUSIC** In Exercises 12–14, use the following information.

A *metronome* is a device similar to a clock and is used to maintain the tempo of a musical piece. Suppose one particular piece has 180 measures with 3 beats per measure and a metronome marking of 80 beats per minute. Determine the length (in minutes) of the musical piece by using the following verbal model.

$$\boxed{\begin{array}{c}\text{Metronome}\\\text{marking}\end{array}} \cdot \boxed{\begin{array}{c}\text{Length of}\\\text{musical piece}\end{array}} = \boxed{\begin{array}{c}\text{Number of measures}\\\text{in musical piece}\end{array}} \cdot \boxed{\begin{array}{c}\text{Number of beats}\\\text{per measure}\end{array}}$$

12. Assign labels to the parts of the verbal model.

13. Use the labels to translate the verbal model into an algebraic model.

14. Answer the question. Use unit analysis to check your answer