



PRACTICE



TUTORIAL

Name: \_\_\_\_\_

# Practice & Problem Solving

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Multimedia

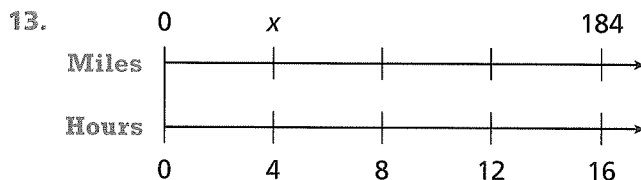
In 10 and 11, write each statement as a rate.

10. Jan saw 9 full moons in 252 days.

11. It took Hannah 38 minutes to run 8 laps.

In 12 and 13, find the value of  $x$ .

Fish	16	48
Bowls	2	$x$



Leveled Practice In 14 and 15, find the unit rate.

14.  $\frac{320 \text{ mi}}{16 \text{ gal}}$

$$\frac{320 \div 16}{16 \div 16} = \frac{\boxed{\phantom{000}}}{1}$$

$$\frac{\boxed{\phantom{000}} \text{ mi}}{1 \text{ gal}}$$

15.  $\frac{75 \text{ cm}}{5 \text{ h}}$

$$75 \div \boxed{\phantom{000}} = \frac{\boxed{\phantom{000}}}{1}$$

$$\frac{\boxed{\phantom{000}} \text{ cm}}{1 \text{ h}}$$

In 16–19, complete each table.

16.	Pages	9	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Minutes	18	1	10	15

17.	Beans	186	<input type="text"/>	<input type="text"/>	<input type="text"/>
	Bags	3	1	7	11

18.	Ounces	<input type="text"/>	24.6	<input type="text"/>	123
	Bags	1	2	5	<input type="text"/>

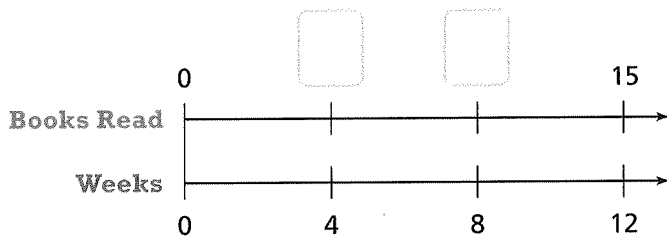
19.	Miles	25	<input type="text"/>	125	<input type="text"/>
	Gallons	<input type="text"/>	3	5	12



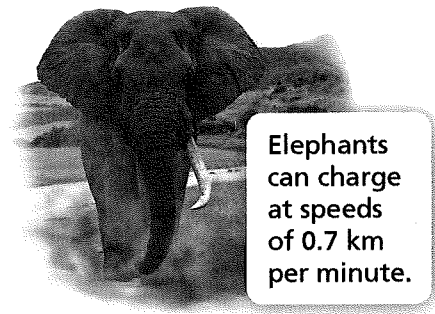
20. Which runner set the fastest pace? Explain.

Runner	Laps	Time
Martha	20	32 min
Allison	16	25 min
Rachel	17	27.2 min

21. **Model with Math** Over the summer, Alexis read 15 books in 12 weeks. The diagram below can be used to track her progress. If Alexis read at the same rate each week, how many books had she read in 4 weeks? In 8 weeks? Complete the diagram.



22. An elephant charges an object that is 0.35 kilometer away. How long will it take the elephant to reach the object?



23. A machine takes 1 minute to fill 6 cartons of eggs. At this rate, how many minutes will it take to fill 420 cartons?

24. **Higher Order Thinking** How are the ratios  $\frac{24 \text{ laps}}{1 \text{ hour}}$  and  $\frac{192 \text{ laps}}{8 \text{ hours}}$  alike? How are they different?

## Assessment Practice

25. A cook mixes 4 pounds of rice into 5 quarts of boiling water. Choose all the statements that are true.

- $\frac{0.8 \text{ lb rice}}{1 \text{ qt water}}$  is a unit rate for the mix.
- $\frac{1.25 \text{ qt water}}{1 \text{ lb rice}}$  is a unit rate for the mix.
- Using the same rate, the cook should mix 12.5 pounds of rice with 10 quarts of water.
- Using the same rate, the cook should mix 10 pounds of rice with 12.5 quarts of water.
- Using the same rate, the cook should mix 2.5 pounds of rice with 2 quarts of water.

