

6th Grade Unit 4: Lesson 19-1

Check Your Understanding (p. 234):

7. 6,000 wheels per hour;

$$\frac{18,000 \text{ wheels}}{3 \text{ hr}} = 6,000$$

8.

Unit rate Traps/1 Person	Total Rate for Total Traps/Total People
-----------------------------	---

$$\frac{8 \text{ traps}}{1 \text{ person}} = \frac{128 \text{ traps}}{16 \text{ people}}$$

9. It is the same. You can either add the number of wooden traps and plastic traps ($56 + 72 = 128$), or you can multiply the number of traps per person by the number of

$$\text{people } \left(\frac{8}{1} \times \frac{16}{16} = \frac{128}{16} \right).$$

Lesson 19-1 Practice (p. 235):

11. \$5
12. about \$3 per mousetrap
13. $x = 8$
14. about \$1.83 per car
15. Answers may vary. \$4 for 3 toy cars.
It is not a unit rate because the cost is not given per 1 toy car.
16. Yes; rates compare two different quantities by division, so the rate must be expressed as a quotient.
17. $\frac{2}{3}$ cup
18. $\frac{3}{5}$ pint