5.1 & 5.2 Practice A
Answers (all)

<u>5.1 Answers:</u>
1. $60
2. $3.54
3. 630
4. $\dfrac{4}{5}$
5. $\dfrac{8}{3}$
6. $\dfrac{7}{3}$
7. 60 mi/h
8. 3 bowlers per lane
9. $4 per person
10. $\dfrac{1 \text{ lap}}{2 \text{ min}}$, or 0.5 lap per min
11. 15 grams per serving
12. 8 min/mi

13. yes; *Sample answer:*

$$\frac{blue}{orange} = \frac{12}{9} = \frac{4}{3} \text{ and } \frac{orange}{blue} = \frac{3}{4}$$

14. 26 students per classroom

15. a. *Sample answer:* 90-pack; Often the largest package has the lowest unit rate.

   b. $0.27 per pack

   c. $0.18 per pack

   d. $0.21 per pack

   e. 60-pack; *Sample answer:* This is not what was expected.

5.2 Answers:

1. yes
2. yes
3. no
4. yes
5. no
6. yes
7. yes
8. no

9. yes

10. no

11. yes

12. yes

13. no

14. yes; *Sample answer:* Each unit rate is equivalent to 2.5 minutes per lap.

15. yes

16. yes

17. no

18. a. $4.50 per chore

    b. $4.50 per chore

    c. yes; The rates are equivalent.

19. no; 5 tickets for $93.75 or 4 tickets for $75.20

20. 1 potato and 3 carrots