

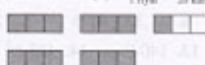
Textbook Answers

practice

- a. 16 b. 8

problem set

31

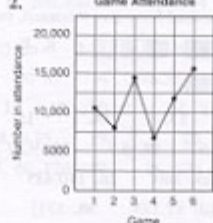
1. \$50 2. 10,000 cars 3. 17 hr 4. \$9.25 5. (a) $\frac{20 \text{ karsh}}{1 \text{ riyal}} \cdot \frac{1 \text{ riyal}}{20 \text{ karsh}}$ (b) 800 riyats
 6. 800 7. 121 8. $13\frac{1}{2}$ 9. $3\frac{1}{2}$ 10.  11. 98,700
 12. 2970 13. $\frac{67}{3}$ 14. 14,780 g 15. $\frac{1}{9}$ 16. $\frac{1}{3}$ 17. $\frac{31}{18}$ 18. $\frac{26}{16}$ 19. $\frac{11}{27}$
 20. $\frac{1}{14}$ 21. 52 22. 31 23. 16 24. 30 25. 4,200,000 cm²
 26. 4,400,000 cm² 27. $\frac{17}{11}$ 28. 2.47 29. 1.6 30. $12\frac{3}{25}$

practice

- a. 16 b. 90

problem set

32

1. \$40.09 2.  3. (a) 8700 (b) None (c) 11,200 (d) 11,283.33 4. 1027 tokens
 5. 68,969 fans 6. 12 7. 1100
 8. $7\frac{1}{13}$ 9. $5\frac{1}{2}$ 10. 23 11. 80
 12. 1800 13. $\frac{7}{11}$ 14. $\frac{67}{24}$ 15. $\frac{2}{33}$
 16. $\frac{33}{100}$ 17. $\frac{1}{4}$ 18. $\frac{5}{13}$
 19. 0.0024081 20. 15.08 21. $16\frac{1}{25}$
 22. (a) $\frac{20 \text{ shillings}}{1 \text{ pound}} \cdot \frac{1 \text{ pound}}{20 \text{ shillings}}$ (b) 20,000 shillings 23. 425 ft²
 24. 130 cm 25. $\frac{22}{43}$ 26. 0.83 27. 0.74 28. 18 29. $\frac{1}{4}$ 30. 0

practice

- a. $6(5280)(12) \text{ in.} = 380,160 \text{ in.}$ b. $20(12)(12) \text{ in.}^2 = 2880 \text{ in.}^2$

problem set

33

1. 6475 tickets 2. 160,000 lb 3. 94 4. 2,516,013.0234 5. \$91.60 6. 40
 7. 140 8. $7\frac{1}{2}$ 9. $5\frac{1}{2}$ 10. 2.63 11. 15 12. $\frac{27}{20}$ 13. $\frac{22}{40}$ 14. $\frac{22}{31}$
 15. 40 16. 29 17. 10 18. 2 19. $\frac{1}{4}$ 20. 0.0000368 21. $50\frac{1}{20}$
 22. (a) $\frac{28 \text{ mm}}{1 \text{ cm}} \cdot \frac{1 \text{ cm}}{10 \text{ mm}}$ (b) 40 pt 23. $90(3)(12) \text{ in.} = 3240 \text{ in.}$
 24. $7.5(12)(12) \text{ in.}^2 = 1080 \text{ in.}^2$ 25. $\frac{450}{(3)(3)} \text{ yd}^2 = 50 \text{ yd}^2$ 26. 450 ft² 27. $2^6 \cdot 5 \cdot 13$
 28. 2.6 29. 4.25 30. 0.39

practice

- a. $5\frac{3}{10}$ b. $785\frac{3}{20}$ c. 8 yd per s, $\frac{1}{4}$ s per yd
 d. 4 apples per dollar, $\frac{1}{4}$ dollar per apple

problem set

34

1. 311 boxes 2. \$219.90 3. 150 cars 4. (a) 6200 lb (b) None (c) 15,140 lb (d) 15,120 lb 5. 8 ft per s, $\frac{1}{8}$ s per ft
 6. $\frac{1}{3}$ locust per min, 5 min per locust 7. 0.825 8. 40 9. $12\frac{1}{2}$ 10. $84\frac{1}{2}$
 11. 840 12. $\frac{17}{12}$ 13. $\frac{11}{12}$ 14. 3 15. 16 16. $\frac{4}{3}$ 17. 14,300 18. $\frac{19}{10}$
 19. $11\frac{1}{2}$ 20. $71\frac{3}{20}$ 21. $15\frac{1}{20}$ 22. (a) $\frac{40 \text{ gallons}}{1 \text{ barrel}} \cdot \frac{1 \text{ barrel}}{40 \text{ gallons}}$ (b) 100,000 gal
 23. $132(100)(100) \text{ cm}^2 = 1,320,000 \text{ cm}^2$ 24. 14 25. 90 26. 23 $\frac{1}{2}$ 27. 345 ft²
 28. 132 m 29. 4.6 30. 301.375

practice

- a. $2\frac{1}{15}$ b. $273\frac{11}{15}$

problem set

35

1. The second measurement was larger by 0.0033 m. 2. \$40,000 3. 20 parades
 4. 402 lb 5. $\frac{1}{16}$ 6. 20 7. $42\frac{1}{2}$ 8. $23\frac{1}{2}$ 9. 1800 10. $\frac{22}{16}$ 11. $\frac{1}{2}$
 12. 43 13. 2 14. $1\frac{1}{24}$ 15. $72\frac{1}{24}$ 16. $2\frac{1}{10}$ 17. $5\frac{1}{2}$ 18. $288\frac{22}{43}$ 19. $\frac{17}{2}$
 20. 16 21. 4 22. 2 23. $\frac{100}{3} \text{ yd} = 11\frac{1}{3} \text{ yd}$ 24. 360,000 cm