

Answers for Algebra 1 Assignment 4

HW #17; pp 141

- 1a. $h = \frac{V}{lw}$
- 2a. $H = \frac{N}{7L}$
- b. 10 ft. 2 in.
3. $n = 4(F - 37); 92$

HW #18; WS 3-4

1. \$7.50/hr
2. \$0.75/lb
3. 287 bagels/d
4. 680 cal/h
6. \$0.94/oz
7. no; $168 \neq 180$
8. yes; $90 = 90$
10. yes; $16 = 16$
11. no; $-24 \neq -25.6$
12. 3
13. 3.5
14. 26.4
15. 2
16. 2.5
17. 15
18. 16
19. 2.1
20. 22.5
31. 3
32. 45
34. 30.25
35. 3
36. $-\frac{5}{3}$
37. 7
38. 2.75
39. -6
40. -5
41. 5.75

42. 52.5 min.
43. 182 mi
44. $541\frac{2}{3}$ beats
45. \$0.10/mi

HW #19; pp 146

9. A
10. A
11. B
12. A
13. 480
14. 1.2
15. 10,800

HW# 20; WS 3-5

1. 7.2
2. $11.\bar{6}$
3. 1.5
4. 4.4
5. 3
6. $6.\bar{6}$
8. 6
9. 20
10. 216 in
11. 4 in
12. 27.5 ft
13. 7.5
14. 7 in

HW #21; pp152

9. Graph
10. 4.8 ft
11. 10.8 in

HW #22; WS3-6

1. $60(t - 1.5) = 40t$
Freight tr = 4.5h, pass. Tr = 3h
2. $10(t + 1.5) = 25t; 2.5$ hr
3. $r + 10 = 3r$
Leah = 5 km/h;
May = 15 km/h
4. $24 = 2(w + 4) + 2w$
W = 4 in; L = 8 in
6. $60t + 50t = 330$
1:00 P.M.
7. $3t = \frac{1}{2}(4); 40$ min
8. $3t + 2t = 4; 48$ min
9. $80t = 100(t - 3)$
9:00 A.M.
10. $200(t + 1) = 250t$
1000 mi
11. $x + (x + 1) + (x + 2) = 126$
41, 42, 43
12. $x + x + 2 + x + 4 + x + 6 = 216$
51, 53, 55, 57
13. $84 = 2(w + 8) + 2w$
17 in
14. $x + 2x - 8 + 2x - 8 = 74$
18 in

HW #23; p165

28. 60 cm, 50 cm, 55 cm
- 29a. $\frac{5}{6}$ h
- b. 10:15 a.m.
30. -9, -7, -5, -3, -1