6th Grade Accelerated Math p. 304 Lesson 44: a-d, 2-22, 24-27 Answer key

a) w = 18 **b) x = 0.4** **c) y = 12** **d) z = 0.24** **2) A**

3) about 110 feet **4) 135 in^2** **5) 17.5 ft^3**

6) y = 4x; The function is linear and proportional. **7) about 113 ft^2**

Number of coin purses	Amount collected in dollars
1	4
2	8
3	12
4	16

8) a. No; When x is 9, y is 5. **b. (15, 9)** **9) $3\frac{3}{4}$**

10) 4 **11) -6** **12) 8** **13) $-24x^5y^4$** **14) 5** **15) 1**

16) 10^5 **17) P(F) = $\frac{31}{75} = 0.413$; P(R) = $\frac{40}{83} = 0.482$; Rafael is more likely to get a hit.**

18) C **19) $-3 - 5 + 2 = -6$; 6 inches below normal** **20) 20 farmers**

21) $\frac{3}{4}c = 12$; c = 16; Pedro has 16 caps **22) 2**

24) a. $\frac{1}{25}$; 0.04 **b. $\frac{1}{25}$, since it is easy to divide 25 by 25** **25) x = 5**

26) 100 seconds **27) A = 64 $units^2$; P = 32 units; square**