

Estimated sales volume

$$47.58 + 0.55(\text{adv. Exp})$$

$$\text{Target sales} = 300,000$$

$$300000 = 47.58 + .55(n)$$

$$n = \frac{299952.42}{.55}$$

$$= 545368.036$$

$$= 545K$$

Worksheet about probability

1. a)  $\{1, 2, 3, 4, 5, 6\}$ ,

b) 6

c)  $\{2, 4, 6\}$ ,  $\rightarrow$  3 members.

2. a.

1,1	1,2	1,3	1,4	1,5	1,6
2,1					
3,1					
6,1					

66

$\{1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12\}$ .

b. 11.

c. 6.

Equally-likely: same probability/likelihood/chance of happening.

are they equally-likely?

2  $\rightarrow$  1 . one roll gives sum of 2.

3  $\rightarrow$  2 two roll gives sum of 3.

$\vdots$   
so, they are not equally-likely.

3. a. {2} , {make, ~~mess~~}

b. 1

c.

4. a. {HHH, H.HM, HMH, MH.H, MMH, M.HM, H.MM, mmm}

b. 8

c. 1

d. 1

e. 3

f. 4

Law of large numbers, on 2nd Test.