

- g. Is home ownership and food purchase independent? Explain (with math!).
3. Find the missing value in the discrete probability distribution shown below. Then find the mean of the distribution.

x	1	3	4	6	10
$p(x)$	0.15	0.21	0.06	0.28	?

4. A coin is flipped 15 times. In how many different ways can one obtain 6 heads? What is the probability of such a result?