

Sec 5.5, #3

3Q, 2D, 1N \rightarrow 2 Selected

outcome	$X = \text{¢}$	$P = \frac{c(6,2)}{15} = \frac{1}{5}$	$X \cdot P$
2Q	50	$P = \frac{c(3,2)}{15} = \frac{3}{15}$	$\frac{150}{15}$
2D	20	$P = \frac{c(2,2)}{15} = \frac{1}{15}$	$\frac{20}{15}$
1Q, 1D	35	$P = \frac{c(3,1) \cdot c(2,1)}{15} = \frac{6}{15}$	$\frac{210}{15}$
1Q, 1N	30	$P = \frac{c(3,1) \cdot c(1,1)}{c} = \frac{3}{15}$	$\frac{90}{15}$
1D, 1N	15	$P = \frac{c(2,1) \cdot c(1,1)}{15} = \frac{2}{15}$	$\frac{30}{15}$
Sum = 1			33.33

Expected Value $E(X)$, M : 33.33 cents