5 Jasmine has one $5 coin, two $2 coins and two $1 coins. She selects two of these coins at random. The random variable X is the total value, in dollars, of these two coins.

(a) Show that $P(X = 7) = 0.2$. [1]

....

....

....

....

....

....

(b) Draw up the probability distribution table for X. [3]

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

....

(c) Find the value of $\text{Var}(X)$. [3]