

A fair 6-sided die has the numbers 1, 2, 2, 3, 3, 3 on its faces. The die is rolled twice. The random variable X denotes the sum of the two numbers obtained.

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

[illegible]

- (b)** Find $E(X)$ and $\text{Var}(X)$. [3]

[illegible]