

4 Random variables and distributions – Part 2 —Answers

Answers

Work through these after you have tried the questions yourself.

2.1 a number whose value depends on chance (the outcome of a random process).

2.2 exactly 1.

2.3 $0(0.8) + 20(0.2) = \$4$.

2.4 the probabilities add to 0.9, not 1, so a value or probability is missing or incorrect.

2.5 to map out the outcomes of a several-stage experiment and multiply probabilities along the branches.