

## Mixed Probability Questions

### Starter

1. **(Review of last lesson)** An engineering test is in two parts, a written test and a practical test. 90% who take the written test pass. The probability a person will pass the practical test, given that he/she has passed the written test, is 60%. Given a person fails the written test, the probability he/she will pass the practical test is 20%. What is the probability that:
- (a) someone passes both tests
  - (b) someone passes one test
  - (c) someone passes the written test given that they pass only 1 test.

[Solutions to Starter and E.g.s](#)

### Exercise

9-1 class textbook:	p267 TY Qu 1-10 or p263 E8.3 Qu 1-12 (difficult)
A*-G class textbook:	p226 TY Qu 1-10
9-1 homework book:	p263 E8.3 Qu 1-12
A*-G homework book:	No exercise

[Homework book answers \(only available during a lockdown\)](#)