

Q1. (2017)

- 22** A ball, dropped vertically, falls d metres in t seconds.
 d is directly proportional to the square of t .
The ball drops 45 metres in the first 3 seconds.
How far does the ball drop in the **next** 7 seconds?

[4 marks]

Q2. (2023)

- 12** Show that these two rectangles are similar.

[2 marks]

Not drawn
accurately

