12 A student runs up a flight of stairs.
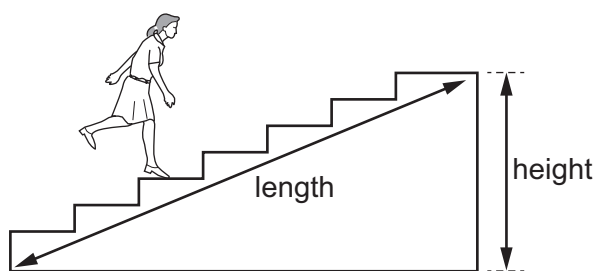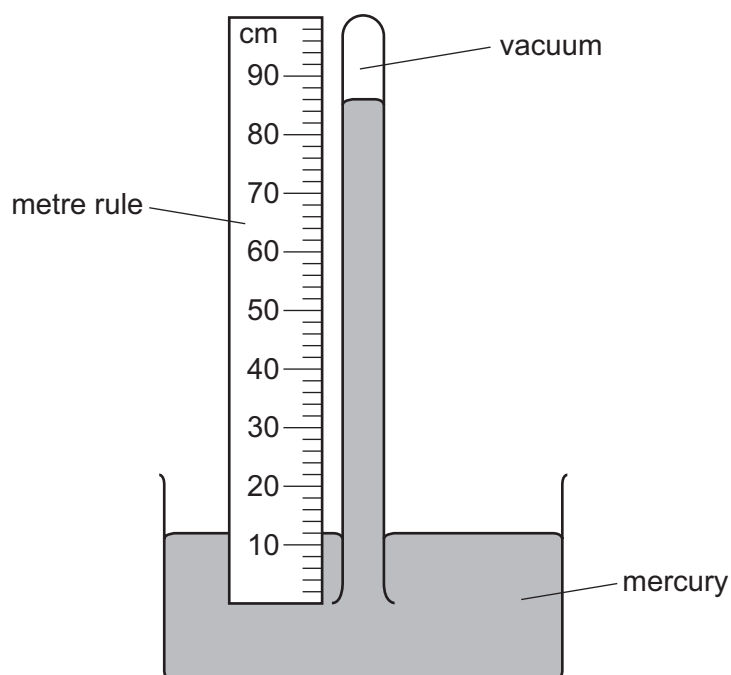

Which information is **not** needed to calculate the rate at which the student is doing work against gravity?

A   the height of the flight of stairs

B   the length of the flight of stairs

C   the time taken to run up the stairs

D   the weight of the student

13 The diagram shows a simple mercury barometer.

Which length is used to find the value of atmospheric pressure?

A   12 cm   **B**   74 cm   **C**   86 cm   **D**   100 cm