3	What is the approximate kinetic energy of an Olympic athlete when running at maximum speed during a 100 m race?							
	Α	400 J	В	4000 J	С	40 000 J	D	400 000 J
4	Ph	Physical quantities can be classed as vectors or as scalars.						
	Which pair of quantities are both vectors?							
	Α	A kinetic energy and elastic force						
	В	momentum and time						
	С	velocity and electric field strength						
	D	weight and temperature						

5 A student is given a reel of wire of diameter less than 0.2 mm and is asked to find the density of the metal.

Which pair of instruments would be most suitable for finding the **volume** of the wire?

- A balance and micrometer
- B metre rule and micrometer
- **C** metre rule and vernier calipers
- **D** micrometer and vernier calipers

Space for working