

- 20** The table shows the properties of two different wires, P and Q.

	length	resistance	resistivity of material
Wire P	l	R	ρ
Wire Q	$2l$	$\frac{1}{4}R$	$\frac{1}{3}\rho$

Wire P has a cross-section of diameter d .

What is the diameter of the cross-section of wire Q?

- A** $0.41d$ **B** $1.6d$ **C** $2.7d$ **D** $7.1d$

