

**1** Which statement, involving multiples and sub-multiples of the base unit metre (m), is correct?

**A**  $1 \text{ pm} = 10^{-9} \text{ m}$

**B**  $1 \text{ nm} = 10^{-6} \text{ m}$

**C**  $1 \text{ mm} = 10^6 \mu\text{m}$

**D**  $1 \text{ km} = 10^6 \text{ mm}$

**2** The diagram shows a resultant force and its horizontal and vertical components.