

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

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