

2 For which quantity is the magnitude a reasonable estimate?

- A frequency of a radio wave 500 pHz
- B mass of an atom 500  $\mu$ g
- C the Young modulus of a metal 500 kPa
- D wavelength of green light 500 nm

3 A vector has magnitude  $R$  and non-parallel components  $R$  and  $O$  as shown in the diagram.