

1.53 Scalars/Vectors

Question Paper

Level	IGCSE
Subject	Physics (0625)
Exam Board	Cambridge International Examinations (CIE)
Topic	General Physics
Sub-Topic	1.53 Scalars/Vectors
Booklet	Question Paper

Time Allowed: 6 minutes

Score: /5

Percentage: /100

Grade Boundaries:

A*	A	B	C	D	E	U
>85%	75%	60%	45%	35%	25%	<25%

- 1 A scalar quantity has
 - A magnitude and direction.
 - B no magnitude and no direction.
 - C magnitude but no direction.
 - D direction but no magnitude.

- 2 Which list contains only vector quantities?
 - A energy, force, velocity
 - B speed, acceleration, force
 - C velocity, energy, acceleration
 - D velocity, force, acceleration

- 3 Which is a unit of acceleration?
 - A g/cm^3
 - B m/s
 - C m/s^2
 - D N/m

- 4 Which is the value of a vector quantity?
 - A 200 V
 - B 100 kg/m^3
 - C 20 m/s, east
 - D $50 \text{ J}/(\text{kg } ^\circ\text{C})$

5 Which diagram shows two forces X and Y with their resultant force?

