

Question 1

Which physical quantity is a vector?

- A** mass
- B** density
- C** temperature
- D** velocity

Question 2

Which list contains two scalar quantities and two vector quantities?

- A** distance, speed, time, velocity
- B** force, velocity, distance, mass
- C** mass, energy, temperature, momentum
- D** weight, acceleration, momentum, speed

Question 3

Which row contains one scalar quantity and one vector quantity?

	quantity 1	quantity 2
A	energy	velocity
B	mass	time
C	momentum	weight
D	distance	temperature

Question 4

Which quantity is a vector?

- A** acceleration
- B** distance
- C** speed
- D** mass

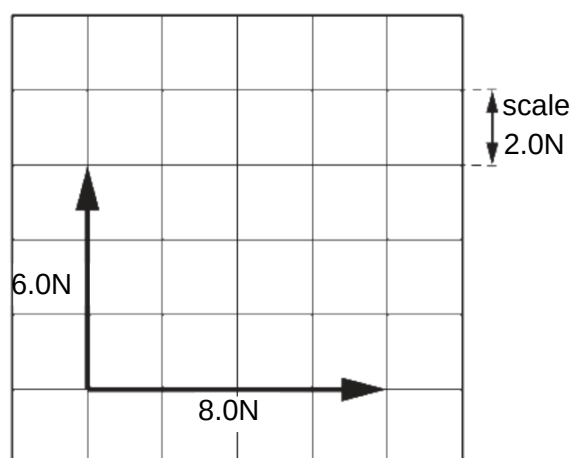
Question 5

Which quantity is not a vector?

- A acceleration
- B temperature
- C velocity
- D weight

Question 6

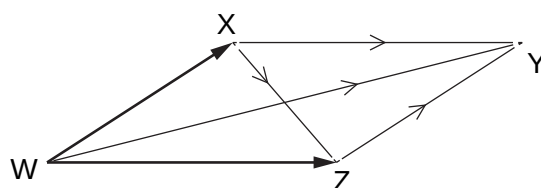
On the diagram shown, what is the magnitude of the resultant force of the two vectors?



- A 2.0N
- B 7.0N
- C 10N
- D 14N

Question 7

Two vectors, WX and WZ, are as shown.



What is the resultant of the vectors?

- A WY
- B XY
- C XZ
- D ZY

Question 8

Which is a vector quantity?

- A** density
- B** mass
- C** pressure
- D** weight

Question 9

Which quantity is a scalar quantity?

- A** acceleration
- B** force
- C** time
- D** velocity

Question 10

How many of the quantities shown are scalars?

- | | | | | | |
|------------|------------|------------|------------|---------|--------|
| | | mass | momentum | density | energy |
| A 1 | B 2 | C 3 | D 4 | | |

Question 11

Which list contains only vector quantities?

- A** acceleration, distance, speed
- B** electric field strength, momentum, weight
- C** energy, mass, temperature
- D** force, time, velocity