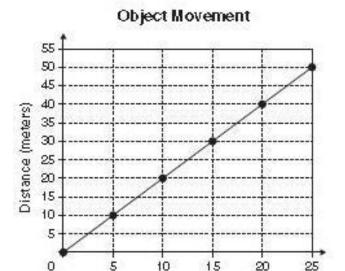
The graph below shows the movement of an object at several points in time.



What is the average speed of the object?

Time (minutes)

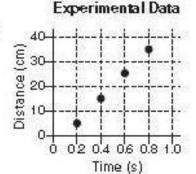
- A 0.5 meters minute
- B 2 meters minute
- C 25 meters minute
- D 50 meters minute

CS200016

2 Data from an experiment are presented below.

Experimental Data

Distance	Time
5 cm	0.2 s
15 cm	0.4 8
25 cm	0.68
35 cm	0.8 s



The slope of the graph represents what characteristic of an object?

- A displacement
- B force
- C speed
- D inertia

C52054

3 A spring scale is pulled downward and readings are recorded.

Data Table

Distance Pulled	Spring Scale Reading
1.0 cm	4 N
1.5 cm	6 N
2.0 cm	8 N
2.5 cm	10 N

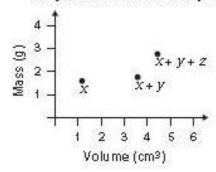
If the spring is pulled 3.5 cm, the spring scale should read

- A 12 N.
- B 13 N.
- C 14 N.
- D 15 N.

C522063

A student records the mass and volume of a lump of clay, x. Next, a second lump of clay, y, is added to lump x, and the combined (x + y) mass and volume are recorded. Finally, a third lump of clay, z, is added to the combined (x + y) mixture, and the final (x + y + z) mass and volume are recorded, as shown below.

Clay Transformation Graph



What is the *most* logical conclusion about the clay used in this investigation?

- A Lump z had the greatest mass.
- B Lump z had the lowest density.
- C Lump y had the lowest density.
- D Lump y had the greatest mass.

CS02:0715

- Red-clay bricks have a density of approximately 2000 kg/m³. Air has a density of 1 kg/m³.
 Which of the following has the lowest mass?
 - A 2m3 of bricks
 - B 4m³ of bricks
 - C 6000 m³ of air
 - D 10,000 m³ of air

G25000

- An athlete can run 9 kilometers in 1 hour.

 If the athlete runs at that same average speed for 30 minutes, how far will the athlete travel?
 - A 18 kilometers
 - B 9 kilometers
 - C 4.5 kilometers
 - D 3.3 kilometers

CSTRONG

- 7 How much time is required for a bicycle to travel a distance of 100 m at an average speed of $2 \frac{m}{2}$?
 - A 0.02 s
 - B 50 s
 - C 100 s
 - D 200 s

CSE0040

- 8 Which of the following represents the velocity of a moving object?
 - A 40
 - B 40 m north
 - C $40\frac{\text{m}}{\text{s}}$
 - D $40 \frac{\text{m}}{\text{s}} \text{ north}$

C5720494

Answers:

- 1. B
- 2. C
- 3. C
- **4.** C
- 5. A
- 6. C
- **7.** B
- 8. D