



Test 1

https://t.me/sa_1345



● Lesson Section 1 : Projectile Motion

🔍 Question

🔊 Score Announced

📄 Submitted | Final Score **15/15**



Star Performer Badge will be awarded if awarding score, 60% (awarded only once per assessment)

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Question 1:

Score : 2/2

The maximum range of the projectile occurs at angle of

- ☒ 45° ✓
- ☐ 90°
- ☐ 0°
- ☐ 60°

Question 2:

Score : 2/2

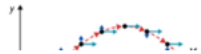
Fares kicked a stone horizontally from a cliff with a velocity of 13 m/s. It hit the ground 4.7s later.
How high is the cliff from the ground?

- ☒ 108 m ✓
- ☐ 97 m
- ☐ 161 m
- ☐ 128 m

Question 3:

Score : 2/2

A football is kicked at an angle of 47° to the horizontal with a velocity of 90 km/h.
Calculate the flight time that the football takes to hit the ground.



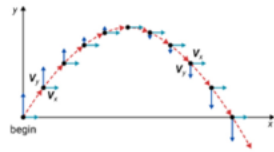
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Question 3:

Score : 2/2

A football is kicked at an angle of 47° to the horizontal with a velocity of 90 km/h. Calculate the flight time that the football takes to hit the ground.



- ☒ 3.7 s ✓
- ☐ 1.9 s
- ☐ 4.2 s
- ☐ 2.8 s

Question 4:

Score : 2/2

The maximum horizontal distance covered by a projectile is called.....

- ☒ Range ✓
- ☐ trajectory
- ☐ maximum height
- ☐ time

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- ☐ maximum height
- ☐ time

Question 5:

Score : 2/2

During projectile motion, the horizontal acceleration and the vertical acceleration is

- ☒ $a_x = \text{zero}$, $a_y = -9.81 \text{ m/s}^2$ ✓
- ☐ $a_x = -9.81 \text{ m/s}^2$, $a_y = \text{zero}$
- ☐ $a_x = \text{positive}$, $a_y = \text{negative}$
- ☐ $a_x = \text{negative}$, $a_y = \text{positive}$

Question 6:

Score : 2/2

The maximum horizontal distance covered by the projectile is called the

- ☒ Range ✓
- ☐ maximum height
- ☐ Trajectory
- ☐ parabola

Question 7:

Score : 1/1

Question 7:

Score : 1/1

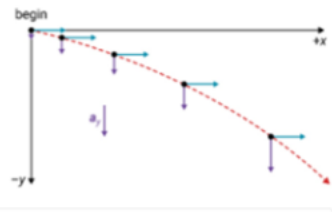
How was the exam?

Answers:
good

Question 8:

Score : 2/2

The diagram represents the motion of a horizontally lanced projectile. What can you conclude from the diagram?



- ☒ The projectile accelerates vertically ✓
- ☐ The projectile accelerates horizontally
- ☐ The vertical component of velocity decreases
- ☐ The horizontal component of velocity increases