

Task

Question 1

- 1.1 What is the displacement of the ball?
- 1.2 What distance has the ball moved through?

Question 2

John runs 10 metres forwards and walks 5 metres back, and takes 20 seconds to do this.

- 2.1 What is John's average speed?
- 2.2 What is John's average velocity?

Question 3

A car travels 50 kilometres along a straight road in 30 minutes.

- 3.1 Calculate the speed of the car in kilometres per hour.
- 3.2 Convert this speed to metres per second.

Question 4

If a car travels along a straight road at 120 km·h⁻¹ for 15 minutes, how far in metres has it travelled?

Question 5

If a car travels in a straight line at 80 km·h⁻¹ for 15 minutes, and then 00 km·h⁻¹ for 30 minutes, what is the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes, what is the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes, what is the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes, what is the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes, and then 00 km·h⁻¹ for 30 minutes, what is the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes, which is the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes, what is the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes, what is the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes, which is the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes in the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes in the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes in the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes in the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes in the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes in the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes in the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes in the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes in the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes in the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes in the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes in the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes in the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes in the average speed of the car in kilometres per 100 km·h⁻¹ for 30 minutes in the average speed of the car in kilometres per 100 km

Question 6

What is the acceleration of a chittrive ling west, if it goes from rest to a velocity of 50 km·h⁻¹ in 6s? Hint: Remember to convert the units of Stunits

Quest on 7

A driver travels east at 100 km·h⁻¹ when she sees a speed trap ahead. The speed restriction for the road is set for 80 km·h⁻¹. It takes her 4s to slow down to the correct speed. What is the car's acceleration?

