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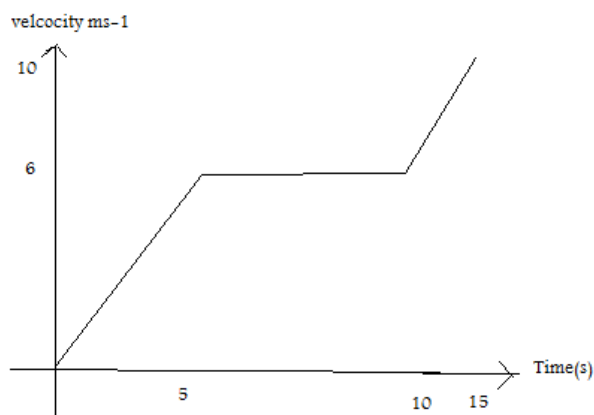
Question

A rocket with the mass of 20kg is launched from a school field. If the rocket accelerates with the 20ms^{-2} , find up-thrust force of the rocket given the frictional force is 5N

Question

The mass of the trolley A is 2kg while the mass of the trolley B is 5kg. If trolley A moves at the velocity of 5ms^{-1} and trolley B is at -6ms^{-1} , find the final velocity of trolley B given the collision is elastic

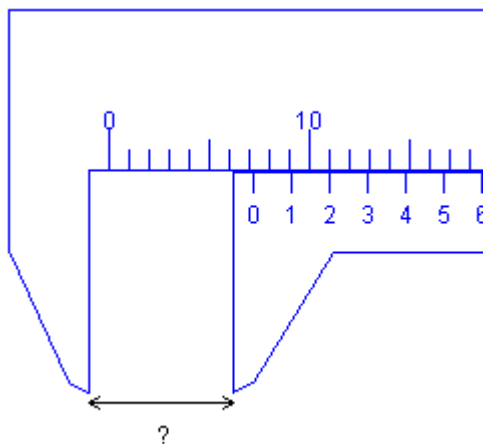
Question



Find

- acceleration for the first 5 seconds
- What is the period when the acceleration is zero
- What is the total displacement for the first 15 seconds

Question



Given the diagram on the left

- What is the measurement in mm
- If the zero error is -0.5mm