

Scalars & Vectors

Fairlight Tuition

Five 3

[Mechanics]

Name:

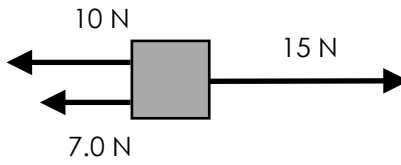
Date:

www.FairlightTuition.org

Easy

1. Find the resultant force on the body:

Diagram not drawn to scale



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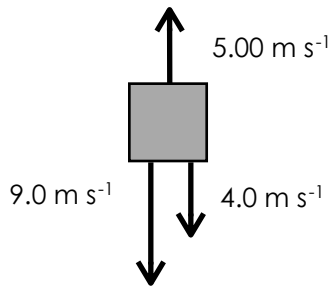
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2. Find the resultant velocity of the body:

Diagram not drawn to scale



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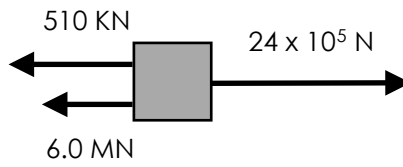
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Moderate

3. Find the resultant force on the body:

Diagram not drawn to scale



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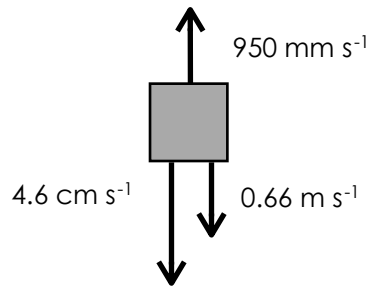
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4. Find the resultant velocity of the body:

Diagram not drawn to scale



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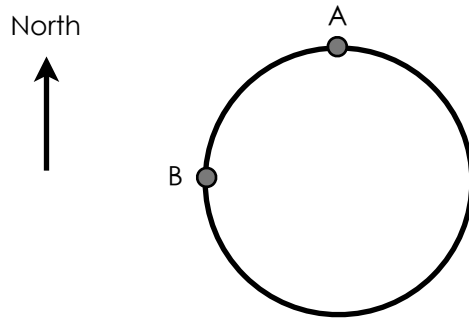
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Hard

5. A runner races clockwise round a circular track of radius 50 m. Point B is three-quarters of the way round the track from the starting point A. What is the runner's displacement from A when he reaches B?



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