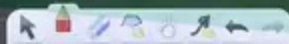
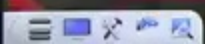


ENGINEERING MECHANICS

Basic Concept of Friction

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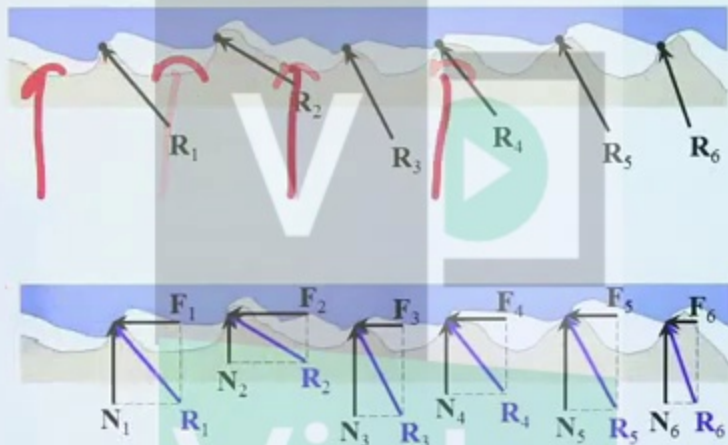
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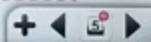
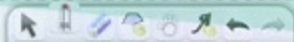
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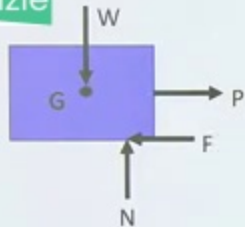
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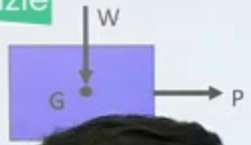
Maximum Friction : It is the maximum static friction between two dry surfaces.



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Static Friction : It is the maximum static friction between two dry surfaces.

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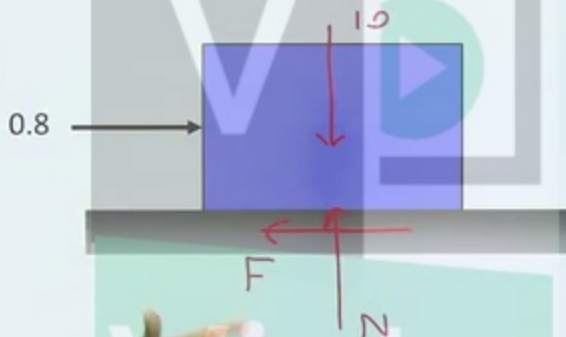
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A block is resting on a surface with coefficient of friction $\mu = 0.1$. A force of 0.8 N is applied to the block as shown in the figure. The friction force is ____ N. ($g = 10 \text{ m/s}^2$)

$$F = 0.8 \text{ N}$$



$$N = 10 \text{ N}$$

$$F_{\text{max}} = \mu N$$

$$= 0.1 \times 10$$

$$= 1 \text{ N}$$



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