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forms the foundation of aerospace mechanical or civil engineering and it is fundamental to important parts of
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acting on a block as shown in fig 4 7 find the components of forces along the horizontal and vertical axes fig
4 7 solution as given in the fig 7 the force 150 n makes an angle 35 to the plane shown by a dotted line and
the plane makes an angle 35 to the horizontal that is x axis

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quantity that describes the magnitude of forces that cause deformation stress is defined as force per unit area
when an object is pulled apart by a force it will cause elongation which is also known as deformation like the
stretching of an elastic band it is called tensile stress