**Videos 10C - Pressure, Force, Area Name**



Example - A 2.4 kg box measures 15 cm by 25 cm on the base. What is the pressure under the box?

Whiteboards:

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| 1. What is the pressure of 42 N on a 20. cm x 32 cm plate? (660 Pa) | 2. What force does 3.200 kPa exert on a 78.0 cm x 182 cm pane of glass? (4540 N) |
| 3. A hydraulic jack lifts a 31,360 N car using a pressure of 1.38 MPa (M = x 106) What is the diameter of the cylinder?(0.170 m) |