


Ex 5 Forces on a can of peaches

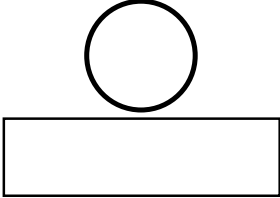
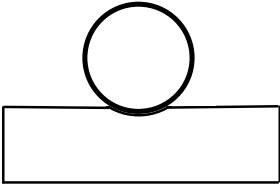
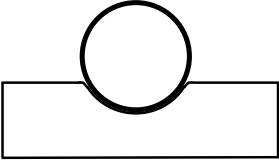
A can of peaches is dropped from about 10 cm above a block of sponge pillow.

On the diagrams below draw forces acting on the **can** when the can

- is about to touch the pillow,
- has contacted the pillow and has just started to move down,
- has come to rest on the pillow, and
- is at rest lying **on a table**.

Represent forces

- by drawing lines with arrowheads, e.g. 
- with the **length** of the line representing the **size** of the force,
- with the same scale for all forces,
- using as large a scale as possible,
- with the **tail** of each force at the point where the force acts, and
- labelling forces, e.g. the force exerted on the Can (C) by the Pillow (P) would be labelled F_{CP} .

<p>(a) About to touch the pillow</p> 	<p>(b) Just started moving down into the pillow</p> 
<p>(c) Has finally come to rest on the pillow</p> 	<p>(d) At rest on a table</p> 