Forces on a tin of beans

A tin of beans is dropped from about 10 cm above a foam cushion.

On the diagrams below, draw all the forces acting on the tin:

- (a) just before it touches the cushion,
- (b) when it has touched the cushion and is moving down into it,
- (c) when it has come to rest on the cushion,
- (d) when it is lying on a table.

Represent forces:

 by drawing arrows to show the direction of each force,

 with the length of the arrow representing the size of the force.

Label each force to indicate what it is.

