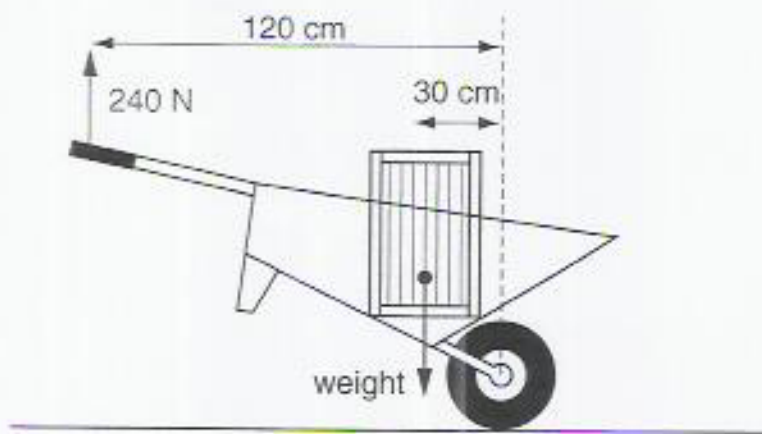


8.



Richard is lifting the handles of his wheelbarrow which contains a heavy box. He lifts with a force of 240 N. The handles are 120 cm from the wheel and the box is 30 cm behind the wheel.

- (a) The distance of the 240 N force from the pivot is 120 cm.

What is the moment of this force?

.....
 (2)

- (b) The distance of the weight of the wheelbarrow to the pivot is 30 cm.

Ignoring the weight of the wheelbarrow itself, work out the weight of the box.

.....
 (2)

(Total marks: 60)