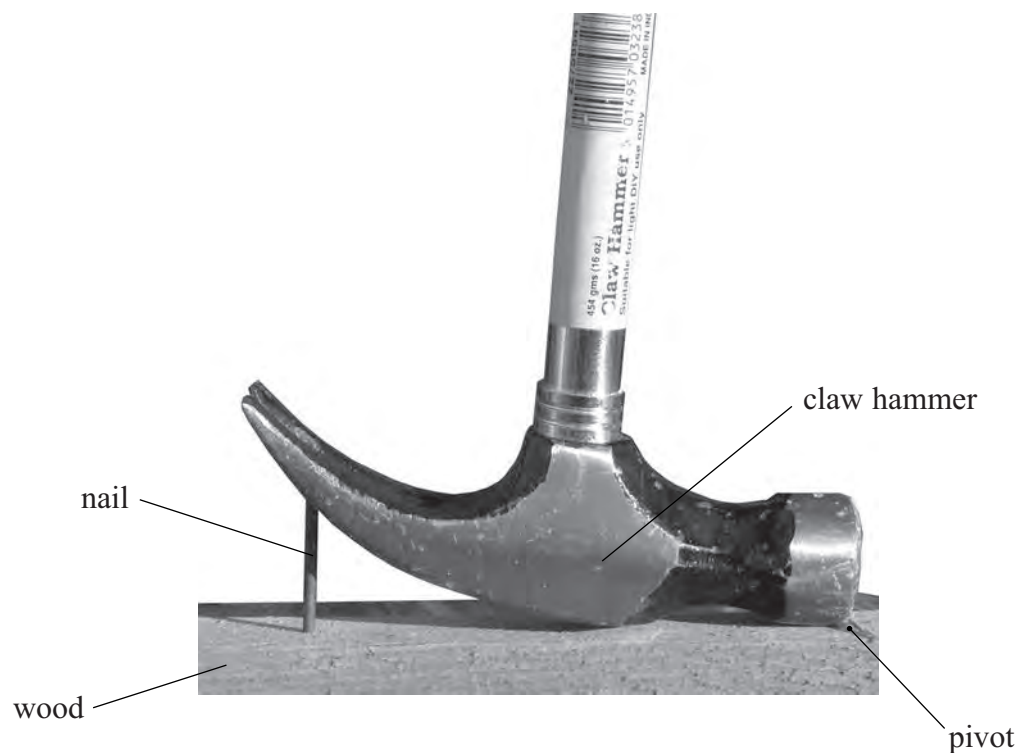


- 5 Photograph C shows how a student can use a claw hammer to pull a nail from a piece of wood.



Photograph C

- (a) The mass of the hammer is 0.454 kg.

- (i) Calculate the weight of the hammer.

(2)

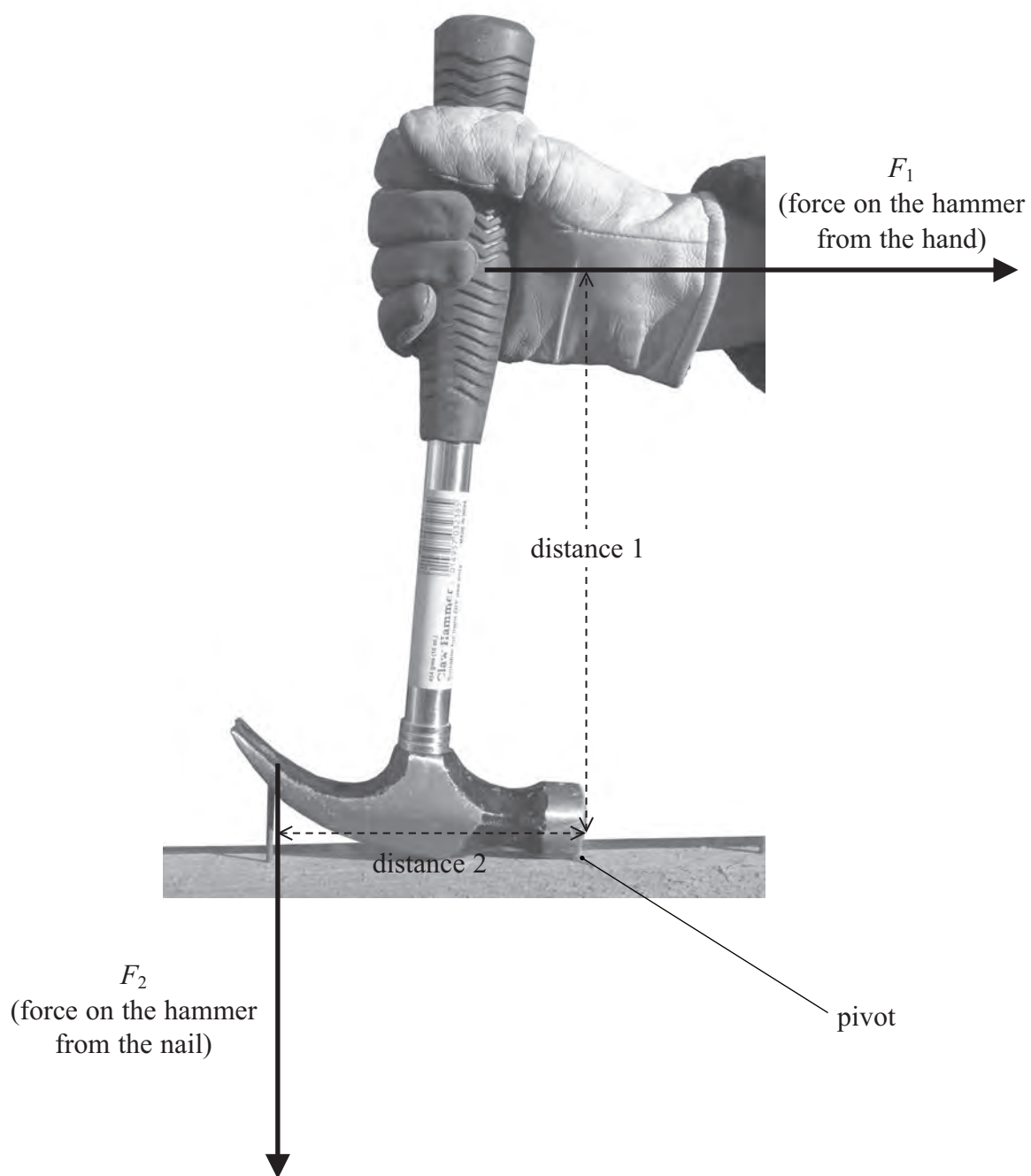
Weight = N

- (ii) From what point does this weight act?

(1)



(b) Photograph **D** shows the directions of two other forces on the hammer.



Photograph D

(i) Draw an arrow on photograph **D** to show the force on the nail from the hammer.

(2)



(ii) Suggest **two** ways that the student could increase the moment on the hammer.

(2)

1

.....

2

.....

(Total for Question 5 = 7 marks)

