1. An athlete took 5 minutes 39 seconds to complete a 3000m race. If the athlete crossed the finishing line at 4:15 pm, at what time did the race start? (3mks)

2. Convert the following into hours, minutes and seconds.
   (i) 7,552sec (2mks)
   (ii) 32,449 sec (2mks)

3. Find the surface area of the following figure. (4mks)
4 A goat is tethered to a post by a rope 6.3m long. Find its maximum grazing area. (3mks)

5 A cylindrical column of fat has diameter 17.5 cm and height 10 cm. Calculate the density of fat if the column has a mass of 2 kg. (3mks)

6 Express in kg/m$^3$
   
   (i) 11.4 g/cm$^3$  (2mks)
   
   (ii) 450 g/m$^3$  (2mks)
7 A school tank has a radius of 2.1 m and a height of 450 cm.

(a) How many liters of water does it carry when full? (3mks)

(b) If the school uses 5000 liters of water a day approximately how many days will the tank last? (3mks)

8 The enrolment in a given school was 1283 pupils last year. The enrolment this year is 109% of last year. What is this year’s enrolment? (3mks)