

Problems of TIME and ANGLES

1

Last night a film was shown on T.V. which took 1h 46min 15s, but there were 18min and 36s of advertisements during the film.
How long did the film last from the beginning to the end?

The after-lunch news programme started at 14h 45min 30s and finished at 16h 8min 15s.
How long did it last exactly?

2

3

A motorcyclist takes 1min 35s to go around a cycle track. How long does he take in a series of 20 complete laps?

A wheel has 16 radii and they are placed at equal intervals. What is the angle of separation of two consecutive radii?

4

5

What angle are the hands of a clock at eight hours and eighteen minutes? And at 5h, 24min and 45s? (You can see a similar exercise solved on page 55, problem 32, of your Maths book.)