

**BACCALAURÉAT GENERAL
EPREUVE SPECIFIQUE DES SECTIONS EUROPENNES
MATHEMATIQUES – ANGLAIS**

CORRIGÉ DU SUJET 13

Quelques problématiques envisageables

Isometries: reflection, translation to build the tower

Proportionality

Trigonometry to obtain angle or height

Des éléments de réponse

By measuring the man in the middle of the picture and the tower, we could obtain that the height of the tower is 22 times higher than the man.

If the man is 1.8m high, the tower is about 40m (55m in real).

By measuring the tower we could obtain the angle of leaning. With arctan I obtain about 6° here (about 5° in reality)