

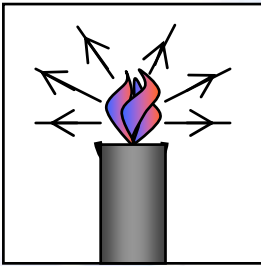


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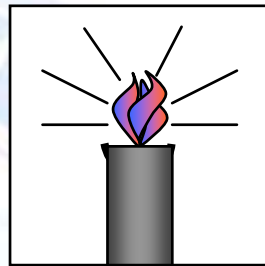
*

_____:

(1-)



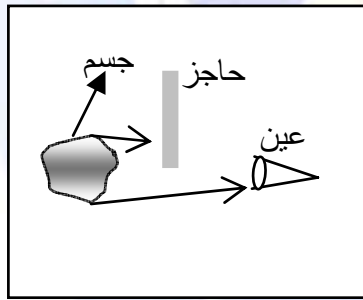
الوثيقة-2



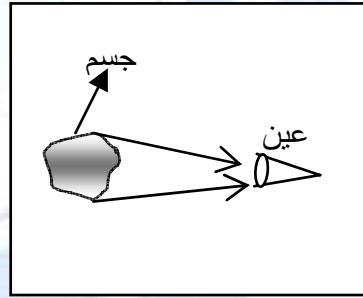
اله ثنقة-1



2-



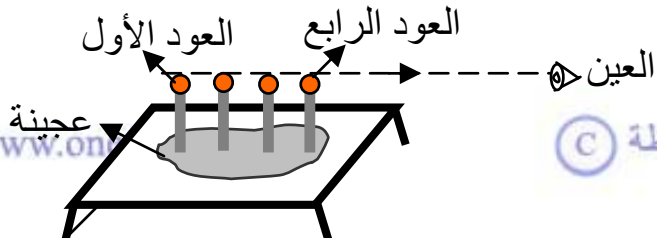
الوثيقة-3



الوثيقة-4

(5-)

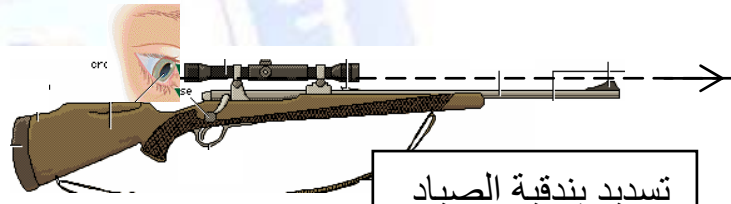
الوثيقة-5





Encyclopédie Encarta, Blair Seitz/Photo Researchers, Inc.

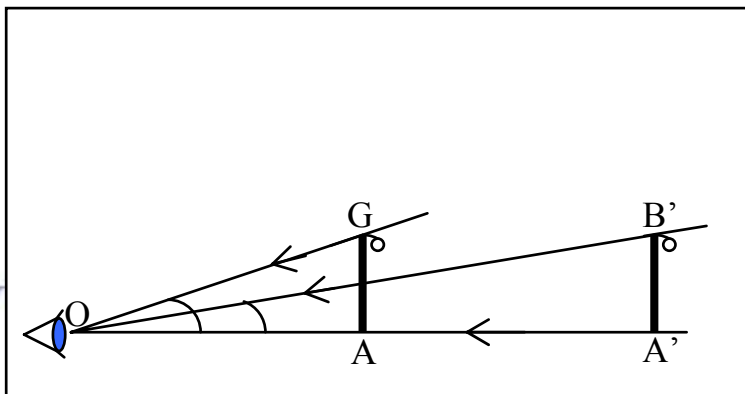
طوبو غرافي يقوم
بمسح الأرض



تسديد بندقية الصياد
نحو الهدف

() :

(6-)



<http://w>

جميع الحقوق

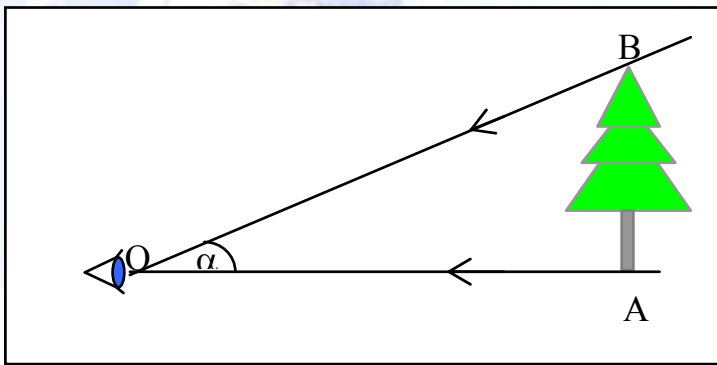
الوثيقة-6

BO AO

B'O A'O

6-

(7-)



الوثيقة-7

α

()

:

-1

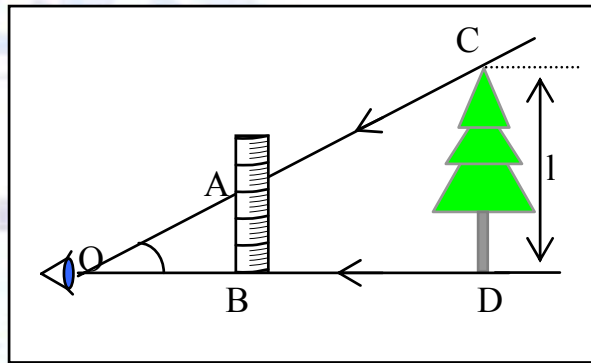
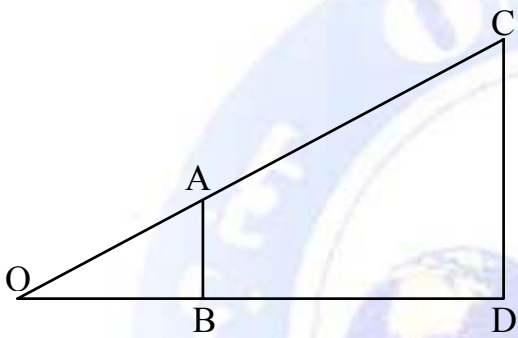
1m

.AB

CD

.(8-) 1m

.OB



الوثيقة - 8 ب

الوثيقة - 8 أ

: (8-)

$$\frac{AB}{CD} = \frac{OB}{OD}$$

$$OD = \frac{OB}{AB} \times CD$$

:

OD -

AB -

CD -

OB -

. 1m

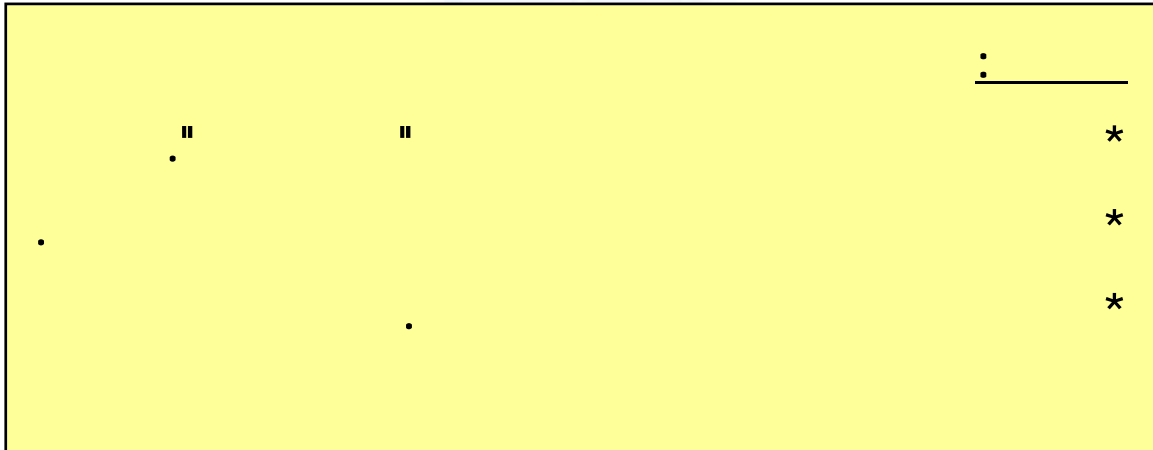
_____ :

OD : CD

OB : AB ()

$$\frac{AB}{CD} = \frac{OB}{OD}$$
$$CD = \frac{AB}{OB} \times OD$$

$$1 = \frac{AB}{OB} \times OD$$





:

.....

-1

.....

-2

.....

-3

:

3m

12.2m 18m :

-1

-2

:

300

80cm

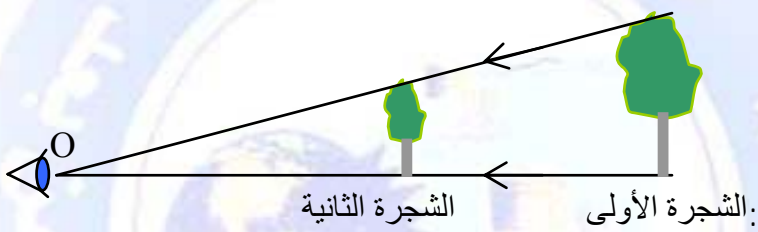
()

6cm

-1

-2

-1
-2
-3

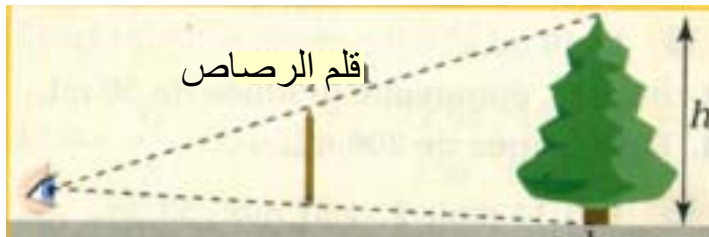


-1

-2

$$\frac{\text{طول الشجرة الثانية}}{\text{طول ظلها}} = \frac{\text{طول الشجرة الأولى}}{\text{طول ظلها}}$$
$$\frac{X}{12.2} = \frac{3}{18}$$
$$X = \frac{12.2 \times 3}{18}$$
$$X = 2.03\text{m}$$

:



-1

الشجرة

:

-2

$$\frac{h}{300} = \frac{0.06}{0.8}$$
$$= 22.5\text{m} :$$