Energie électrique

1

- _____1 1

	P

2 1

J Joule
1 kJ = 1 000 J = 10^3 J . (kJ) :
Wh Watt –heure
1KWh= 100Wh (KWh) :

1 Wh = 1 W . 1 h = 1 W . 3 600 s = 3 600 J

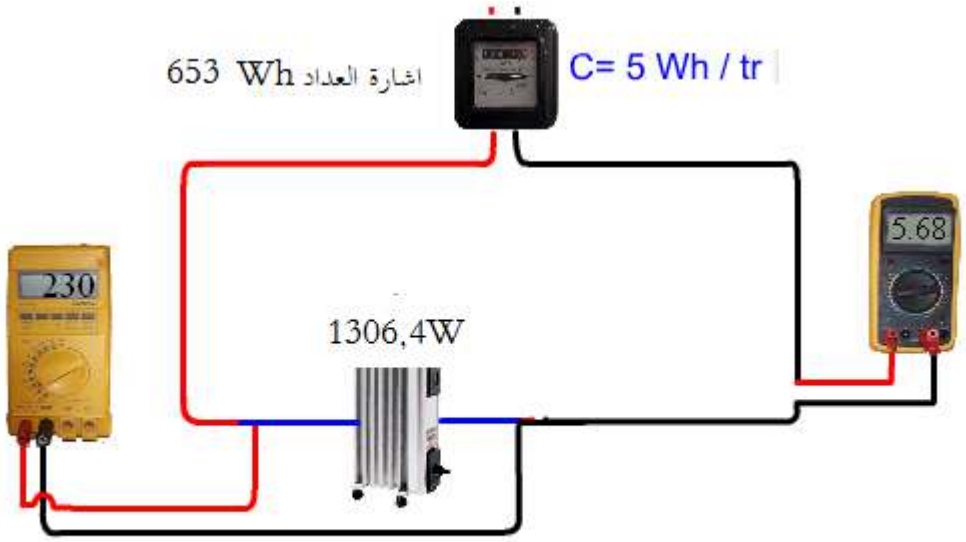
1KWh = 3600KJ	1Wh = 3600J

2 1

_____

15 30
t
L2(230V-40W) L1(230V-100W)
L1

: _____



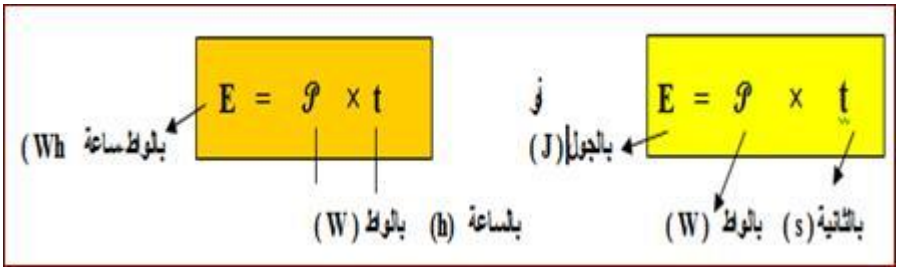
:

(Wh)	P t	t (h)	P (W)
653 Wh	653.2 Wh	0.5	1306 .4 W

:

P E

t

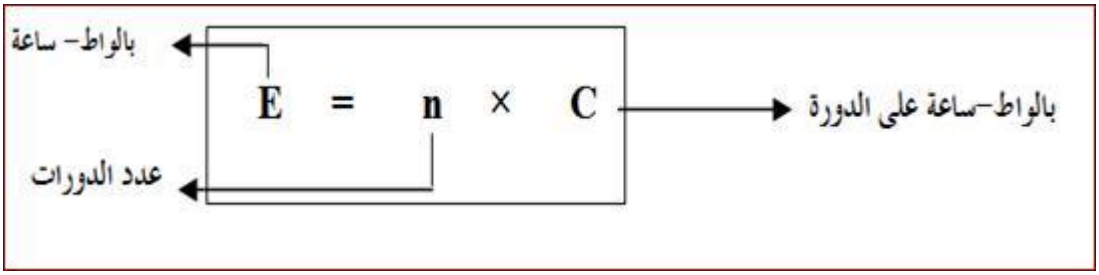


- 2

C Constante du compteur

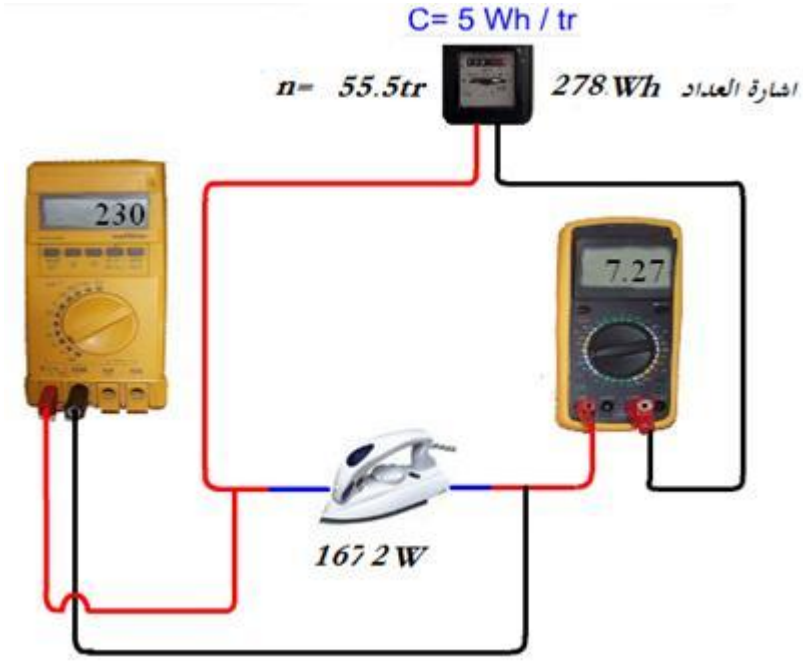
n

C



- 3

1 3



U I t	(Wh) E = n C	n(tr)	t(h)
278.68Wh	277.5Wh	55.5	10min

: 2 3

E

Q

Quantité de chaleur (Cal)

J Cal = 4,181

.

:

(E) (Q)

$$E = Q = P.t = U.I.t = R .I^2.t$$

E : **J**

Q : **J**

P **W**

U **V**

I **A**

R **Ω**