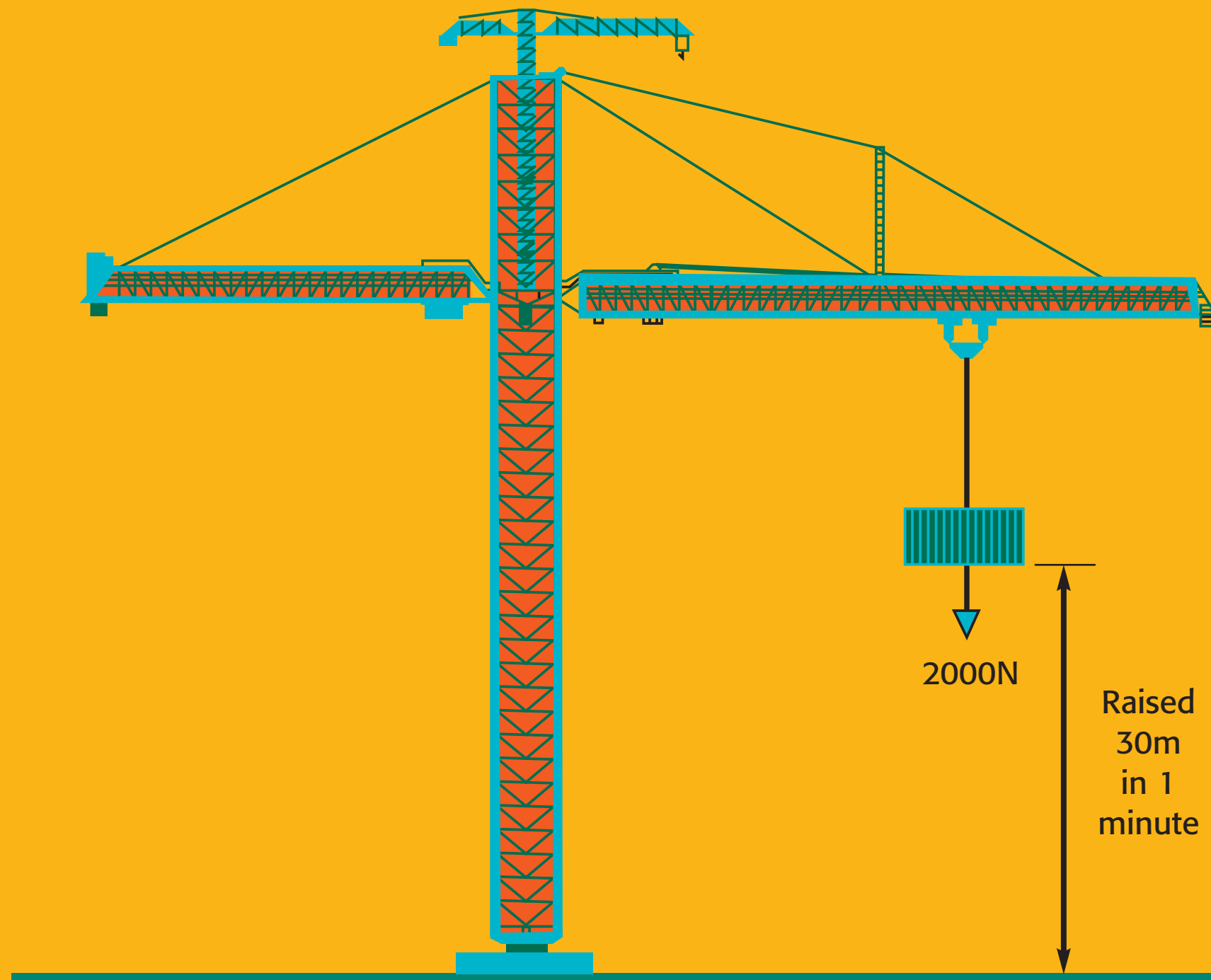


Mechanical Power

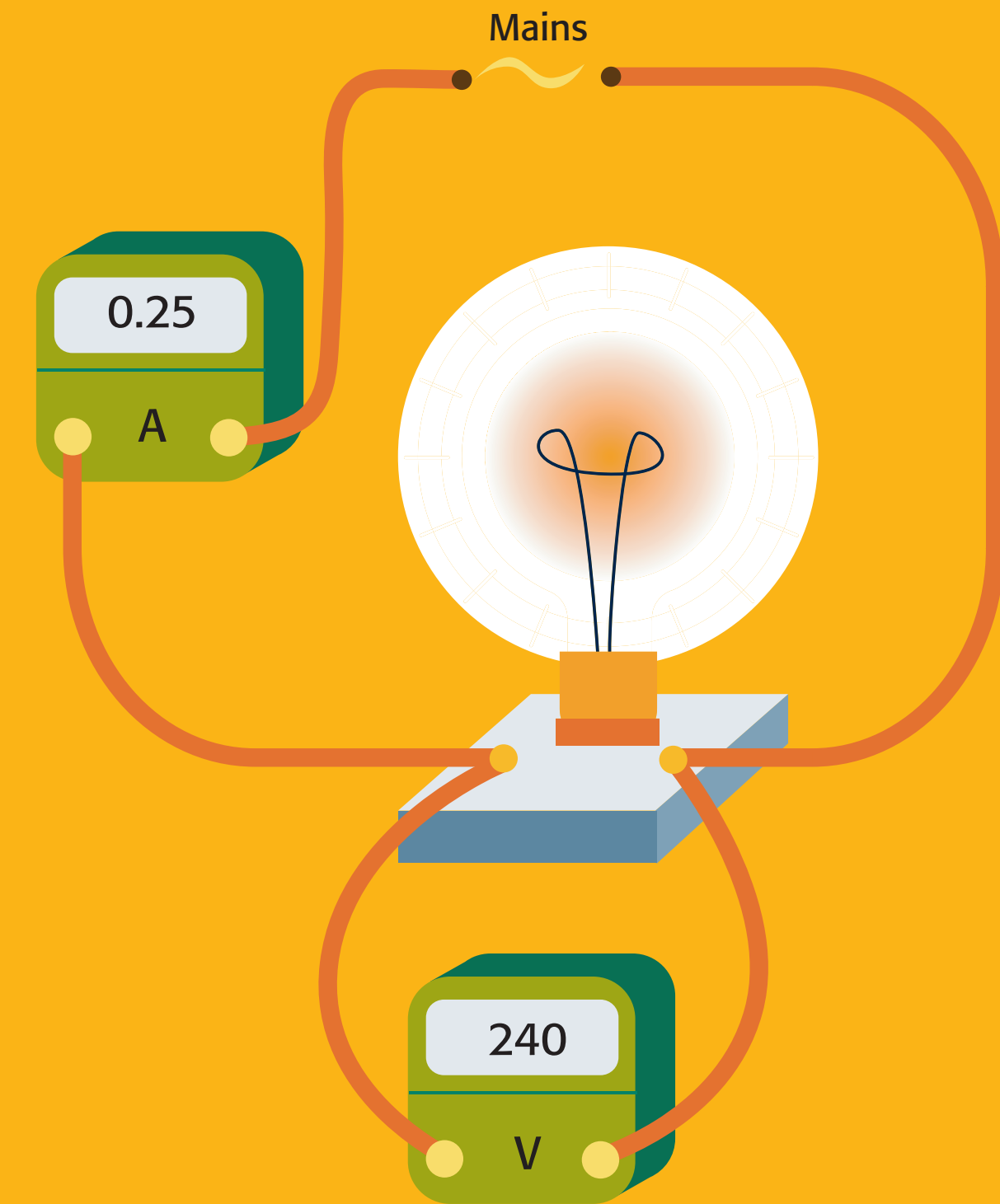


Work done = force x distance
 Work done = 2000 x 30 = 60,000 J

$$\text{Power} = \frac{\text{work done}}{\text{time taken}}$$

$$\text{Power} = \frac{60,000}{60} = 1000\text{W} = 1\text{kW}$$

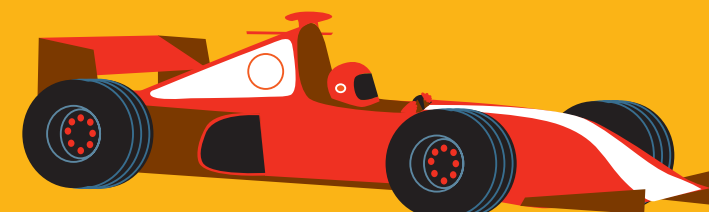
Electrical Power



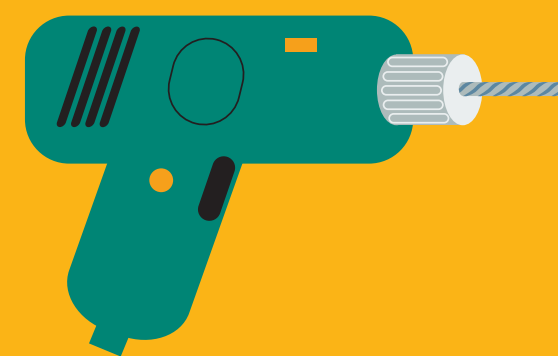
Power = current x voltage
 watts = amps x volts
 Power = 0.25 x 240 = 60W



56kW



560kW



300W



1kW



2.5kW



3kW

1 watt (1W) means 1 joule of energy per second

Power the rate of transfer of energy

