Power Questions

Equation: **P = W / t**

(Power = Work done / Time taken)

1. A machine does 2000 J of work in 10 seconds. What is its power output?

2. A motor lifts a weight, doing 1500 J of work in 5 seconds. Calculate the power.

3. A person uses 600 J of energy to climb stairs in 4 seconds. What is the power used?

4. A crane does 10000 J of work in 25 seconds. Find the power it delivers.

5. A cyclist does 900 J of work in 6 seconds. What is their power output?

Power Questions

Equation: **P = W / t**

(Power = Work done / Time taken)

6. An electric kettle uses 3000 J of energy in 15 seconds. Calculate the power.

7. A conveyor belt transfers 750 J of energy in 3 seconds. Find the power.

8. A student pushes a box, doing 1200 J of work in 8 seconds. What is the power output?

9. A pump moves water using 1800 J of energy in 12 seconds. Calculate the power.

10. A robot arm does 5000 J of work in 20 seconds. What is the power it uses?