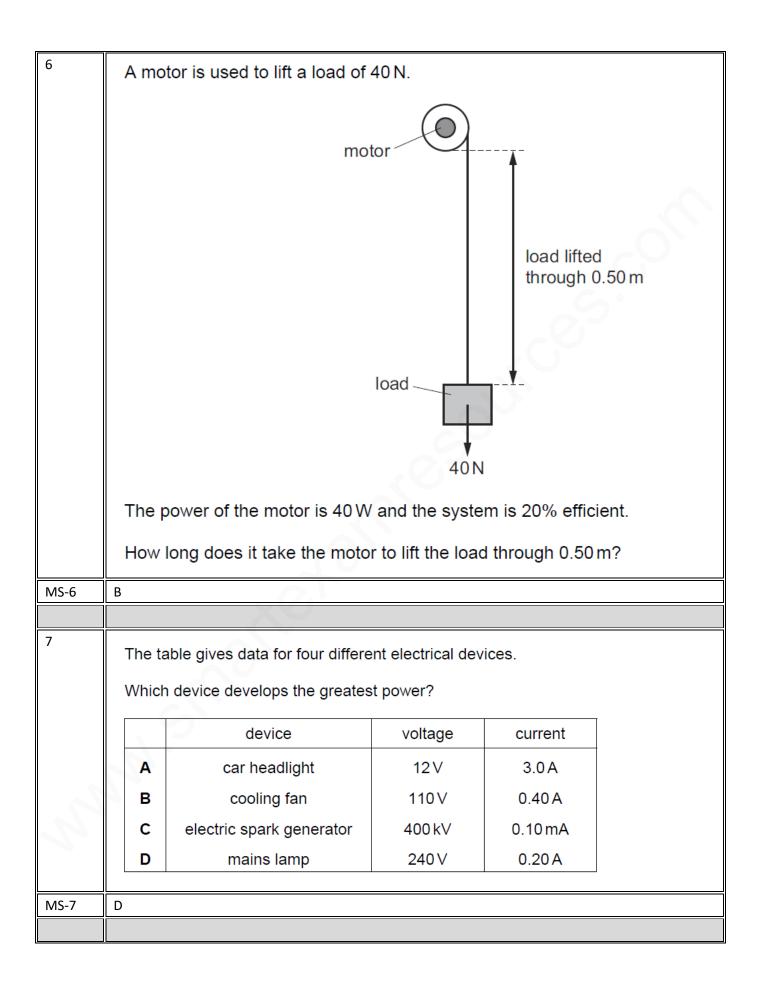
POWER-SET-2						
1	A girl hangs by her hands from a bar in the gymnasium. She pulls herself up until her chin is level with the bar.					
	The mass of the girl is 48 kg.					
	She pulls herself up through a distance of 0.25 m.					
	She does this in 2.0 s.					
	What is the useful power she uses to pull herself up?					
	A 6.0 W B 24 W C 60 W D 240 W					
MS-1	С					
2	A crane on a construction site lifts concrete beams.					
	The useful work done by the crane is 4000 kJ in a time of 160 s.					
	What is the useful output power of the crane?					
	A 0.04 kW B 25 W C 25 kW D 640 kW					
MS-2	С					
3	A large electric motor is used to lift a container off a ship.					
	Which of the following values are enough to allow the power of the motor to be calculated?					
	A the mass of the container and the distance moved					
	B the force used and the distance moved					
	C the current used and the work done					
	D the work done and the time taken					
MS-3	10					

The table shows the times taken for four children to run up a set of stairs. Which child's power is greatest? mass of child/kg time/s 40 10 Α В 40 20 C 60 10 D 60 20 MS-4 С What is the unit of electrical power? ampere joule В volt D watt MS-5 D



8	A car is moving along a straight horizontal road. The car has 1.6 MJ of kinetic energy. The car accelerates for 20 s until the kinetic energy of the car increases to 2.5 MJ. What is the minimum average power developed by the car engine for this acceleration?					
	A 45 W	B 205W	C 45 kW	D 205 kW		
MS-8	С					