## **Work & Machines**



Name	Class	Date	
The unit of measurement us much work has been done is What is 1 joule equal to?  Circle the answer letter.  a. 1 N x 1 kg  b. 1 N x 1 m  c. 1 m x 1 L  2 In the diagram below, a wor a barrel up a ramp. Another ramp is a(n)  a. pulley	s called a joule.	What two pieces of information necessary to calculate the mode advantage of this simple made and width of the axle and width of the wheel  b. radius of both the wheel and axle force  c. radius of the axle and this the wheel  A pulley system has 50% wor of the work put in is 100 joules amount of work done by the second of the axle and this the whole amount of work done by the second of the axle and this the work put in is 100 joules amount of work done by the second of the axle and this the work put in is 100 joules amount of work done by the second of the axle and this the whole amount of work done by the second of the axle and this the whole amount of work done by the second of the axle and this the whole amount of work done by the second of the axle and this the whole amount of work done by the second of the axle and this the whole amount of work done by the second of the axle and this the whole amount of work done by the second of the axle and this the whole amount of work done by the second of the axle and this the whole amount of work done by the second of the axle and this the axle and this the axle and this the whole amount of work done by the second of the axle and this the axle and the axle and this the axle and this the axle and this the axle axle axle axle axle axle axle axl	chine? output force whee axle ckness of k efficiency.
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Write the number below.	3 2	10 m	4 m
5 The mechanical advantage is calculated by dividing a. the length around the the by the length of the screen b. the length of the screen because of threads c. the diameter of the screen	nreads by the	Which combination of action improve the efficiency of a mana. increase work input & work input & mana. decrease work input & mana. decrease both work input	nachine? k output iintain work



## **Work & Machines - Answer Key**



Name	Class	Date	
The unit of measurement us much work has been done What is 1 joule equal to?  Circle the answer letter.  a. 1 N x 1 kg  b. 1 N x 1 m  c. 1 m x 1 L  In the diagram below, a wo a barrel up a ramp. Another ramp is a(n)  a. pulley	rker is pushing er name for this	What two pieces of information increases and the advantage of this simple a. length of the axle and width of the wheel  b. radius of both the wheel and axle force force.  c. radius of the axle and the wheel  A pulley system has 50% of the work put in is 100 jo amount of work done by the axle and the wheel	thickness of work efficiency. ules, the he system
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Write the number below.	4 2 leng	gth/height = ma	10 m 4 m
		20 m/5 m = 4	
is calculated by dividing  a. the length around the t by the length of the screw b. the length of the screw	hreads ew	Which combination of acimprove the efficiency of a. increase work input & b.) decrease work input 8	a machine? work output
number of threads	by the	output	