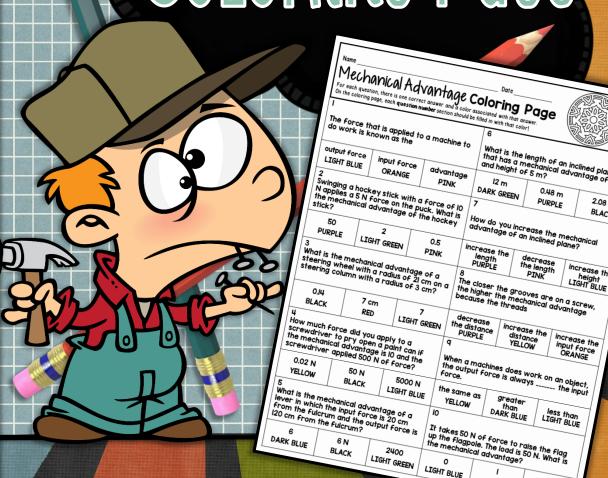


Mechanica



DARK BLUE

BLACK

2400 LIGHT GREEN

LIGHT BLUE

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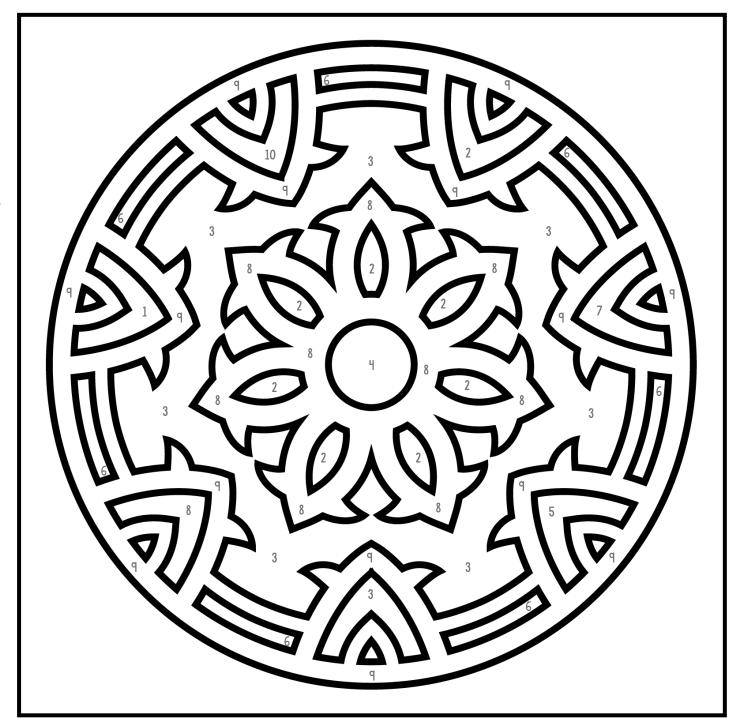
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Name			Date		* Norehouse			
Name								
I			6					
The force that is applied to a machine to do work is known as the			What is the length of an inclined plane that has a mechanical advantage of 2.4 and height of 5 m?					
output force	input force	advantage 	l2 m	0.48 m	2.08 m			
LIGHT BLUE	ORANGE	PINK	DARK GREEN	PURPLE	BLACK			
2 Swinging a hockey stick with a force of IO N applies a 5 N force on the puck. What is the mechanical advantage of the hockey stick?			7 How do you increase the mechanical advantage of an inclined plane?					
50	2	0.5	increase the	decrease	increase the			
PURPLE	LIGHT GREEN	PINK	length PURPLE	the length PINK	height LIGHT BLUE			
3 What is the mechanical advantage of a steering wheel with a radius of 21 cm on a steering column with a radius of 3 cm?			8 The closer the grooves are on a screw, the higher the mechanical advantage because the threads					
0.14	7 cm	7	decrease	increase the	increase the			
BLACK	RED	LIGHT GREEN	the distance PURPLE	distance YELLOW	input force ORANGE			
screwdriver the mechanica	rce did you app to pry open a p al advantage is applied 500 N o	aint can if 10 and the	When a machines does work on an object, the output force is always the input force.					
0.02 N	50 N	5000 N	the same as	greater	less than			
YELLOW	BLACK	LIGHT BLUE	YELLOW	than DARK BLUE	LIGHT BLUE			
What is the mechanical advantage of a lever in which the input force is 20 cm from the fulcrum and the output force is 120 cm from the fulcrum?			It takes 50 N of force to raise the flag up the flagpole. The load is 50 N. What is the mechanical advantage?					
6	6 N	2400	0	1	50			
DARK BLUE	BLACK	LIGHT GREEN	LIGHT BLUE	RED	DARK GREEN			

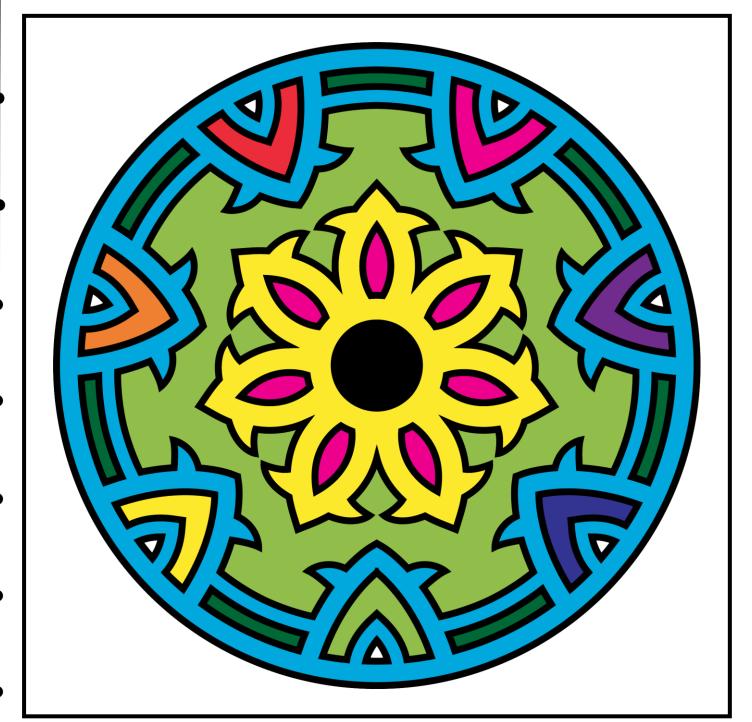
					9				
Name	eacher Key		Date		Morehows				
Name Teacher key Mechanical Advantage Coloring Page For each question, there is one correct answer and a color associated with that answer. On the coloring page, each question number section should be filled in with that color!									
I			6						
The force that is applied to a machine to do work is known as the			What is the length of an inclined plane that has a mechanical advantage of 2.4 and height of 5 m?						
output force	input force	advantage	l2 m	0.48 m	2.08 m				
LIGHT BLUE	ORANGE	PINK	DARK GREEN	PURPLE	BLACK				
2 Swinging a hockey stick with a force of 10 N applies a 5 N force on the puck. What is the mechanical advantage of the hockey stick?			7 How do you increase the mechanical advantage of an inclined plane?						
50	2	0.5	increase the	decrease	increase the				
PURPLE	LIGHT GREEN	PINK	length PURPLE	the length PINK	height LIGHT BLUE				
3 What is the mechanical advantage of a steering wheel with a radius of 21 cm on a steering column with a radius of 3 cm?			8 The closer the grooves are on a screw, the higher the mechanical advantage because the threads						
0.14	7 cm	7	decrease	increase the	increase the				
BLACK	RED	LIGHT GREEN	the distance PURPLE	distance YELLOW	input force ORANGE				
4			q						
How much force did you apply to a screwdriver to pry open a paint can if the mechanical advantage is 10 and the screwdriver applied 500 N of force?			When a machines does work on an object, the output force is always the input force.						
0.02 N	50 N	5000 N	the same as	greater	less than				
YELLOW	BLACK	LIGHT BLUE	YELLOW	than DARK BLUE	LIGHT BLUE				
5 What is the mechanical advantage of a lever in which the input force is 20 cm from the fulcrum and the output force is 120 cm from the fulcrum?			It takes 50 N of force to raise the flag up the flagpole. The load is 50 N. What is the mechanical advantage?						
6	6 N	2400	0	1	50				
DARK BLUE	BLACK	LIGHT GREEN	LIGHT BLUE	RED	DARK GREEN				



Color each numbered section (corresponds with the question number) with the color of the correct answer.

Any sections that are not numbered, you may color with your choice!





Color each numbered section (corresponds with the question number) with the color of the correct answer.

Any sections that are not numbered, you may color with your choice!

