

Name _____

Date _____

Compound Machines Test: Grade 5 /27

Question 1: Explain how a pair of scissors is a compound machine:

/3

Question 2: What mechanical advantage does a pair of scissors give its operator?

/2

Create a sketch of a commonly found compound machine and indicate with lines or arrows which simple machines it is made up of:

/4

Question 4: Using an image and notes: Identify the mechanical advantage that a combined machine which combined a wheel and axle and a lever would provide its user.

Complete the chart below:

	Water Transport	Hammers	Ploughs	Grading machines
Then	An early method of travelling was by canoe. Paddles acted as levers and the boat as a wedge			Workers needed to work hard clearing roads: They used hand tools such as picks, shovels and rakes.
Now		Today nail guns have largely replaced hammers.	Today large graders, backhoes, and plows smooth surfaces or clear snow	

Create a simple machine to complete a common household task such as:
make a bed, open a window or cook your breakfast.

Name of Machine_____

Identify 4 simple machines found in your inventions and draw arrows beside
where each is found **6 marks**, 4 for correct identification of machines 2 for
your labeled picture

Describe how your machine would make the common task easier.

***Mechanical advantages? 4 marks**
