

Max's Mechanical Workshop: Levers and Pulleys

Learning objective: To understand how levers and pulleys can help us lift or move heavy objects with less effort.

Max the monkey is building a treehouse! He needs to move heavy supplies. Look at the pictures below. Match the tool to the correct job by drawing a line. Then, finish the sentences about how these tools help us work.

Word bank: lever · pulley · effort · load · up · down

1. 1. Max uses a long wooden pole to lift a heavy stone. This tool is called a _____. It helps him lift the _____ more easily. (2 marks)

2. 2. Max attaches a rope to a wheel to pull a basket of fruit to his treehouse. This tool is called a _____. It helps him pull the basket _____. (2 marks)

3. 3. If Max uses a pulley, he pulls _____ on the rope to make the load move _____. (2 marks)

4. 4. Why does Max use these tools? (Hint: Does it make the job harder or easier?) (2 marks)

Draw: Draw a picture of a simple lever. Show a heavy rock on one end and Max pushing down on the other end.



Extension challenge: Imagine you are building a toy box. Would you use a pulley or a lever to help you move it across the room? Explain your answer to a partner.