

Max's Moving Machines

Learning objective: To understand how levers and linkages help parts of a machine move.

Max the monkey is building a moving toy. Help him by answering the questions below. Use the word bank to help you.

Word bank: Lever · Pivot · Linkage · Mechanism · Movement

1. Max has a stiff piece of card that helps move his toy. What is the name for this rigid bar? (1 mark)

2. To make his toy move, Max needs a pin to hold parts together so they can turn. What is this point called? (1 mark)

3. If Max connects two levers together to make a longer machine, what is this connection called? (1 mark)

4. Complete the sentence: A _____ is a system of parts that work together to create _____. (2 marks)

Draw: Draw a simple lever system. Draw a straight bar, a circle for the pivot point, and an arrow showing which way the bar moves.



Extension challenge: Max wants to buy some split pins to fix his levers. Each pack costs £2.50. If he has a £5.00 note, how many packs can he buy?