



Simple Machines

Name: _____

Date: _____

Grade: Grade 3

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A skateboard ramp lets riders gain height by riding up an inclined _____ .
2. A paint-can opener pries the lid off by working as a _____ .
3. A corkscrew twists into a cork because it is shaped like a _____ .
4. A _____ is a grooved wheel with a rope that changes the direction of force.
5. The sharp blade of a hatchet pushes wood apart because it is a _____ .
6. A pencil sharpener turns a blade around a _____ to shave wood.
7. Mechanical _____ describes how much a machine multiplies your force.
8. An escalator is a moving inclined plane that carries people between _____ .
9. A teeter-totter balances when equal _____ sits on each side of the fulcrum.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

| | | |
|--------------------|---------|----------------|
| Axe blade | → _____ | Pulley |
| Bottle cap | → _____ | Wheel and axle |
| Roller skate wheel | → _____ | Screw |
| Tow-truck cable | → _____ | Wedge |

Answer Key · Simple Machines · Grade: Grade 3

Part A: Fill in the Blank

Write the missing word or number on each line.

1. A skateboard ramp lets riders gain height by riding up an inclined plane .
2. A paint-can opener pries the lid off by working as a lever .
3. A corkscrew twists into a cork because it is shaped like a screw .
4. A pulley is a grooved wheel with a rope that changes the direction of force.
5. The sharp blade of a hatchet pushes wood apart because it is a wedge .
6. A pencil sharpener turns a blade around a axle to shave wood.
7. Mechanical advantage describes how much a machine multiplies your force.
8. An escalator is a moving inclined plane that carries people between floors .
9. A teeter-totter balances when equal weight sits on each side of the fulcrum.

Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

| | | |
|--------------------|-------------------------|----------------|
| Axe blade | → <u>Wedge</u> | Pulley |
| Bottle cap | → <u>Screw</u> | Wheel and axle |
| Roller skate wheel | → <u>Wheel and axle</u> | Screw |
| Tow-truck cable | → <u>Pulley</u> | Wedge |