



# Mission to Mars: Explorer Challenge

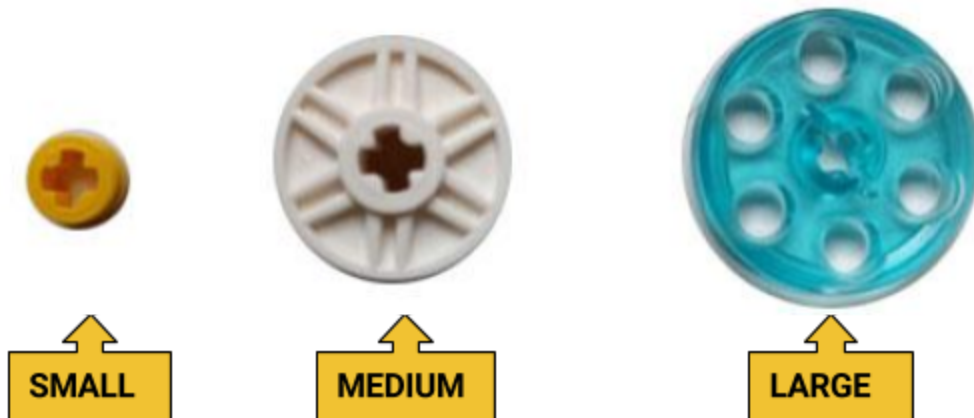
## Pulley Combination Recording Sheet

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Explorer Names: \_\_\_\_\_ Date: \_\_\_\_\_

In this challenge you will exchange the pulleys on Milo and record the changes you observe.

Here are the three pulleys you will use:



You will exchange the pulleys as shown for each test and then record your observation about Milo's speed for that combination. Use the observation recording table on page 2

Pulley Combination		Observed Speed							
Motor	Wheel	Speed Observed	Distance Traveled for 5 seconds at Power 8						
 SMALL	 LARGE	<table border="1"> <tr><td>Slow</td><td></td></tr> <tr><td>Medium</td><td></td></tr> <tr><td>Fast</td><td></td></tr> </table>	Slow		Medium		Fast		_____ cm
Slow									
Medium									
Fast									
 SMALL	 MEDIUM	<table border="1"> <tr><td>Slow</td><td></td></tr> <tr><td>Medium</td><td></td></tr> <tr><td>Fast</td><td></td></tr> </table>	Slow		Medium		Fast		_____ cm
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Slow									
Medium									
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List two conclusions you can draw about how you can change Milo's speed from your observations above.

<p>1.</p> <p>2.</p>
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