

Milo Collects Mars Samples

Names _____

Date _____

Finding the Distance for ONE Second

Distance Milo Travels in 1 Second				
	Test 1	Test 2	Test 3	Average Distance in 1 Second

Mission 1 - Make Milo Travel 66 cm

$$\boxed{} = \boxed{66 \text{ cm}} \div \boxed{}$$

Number of Seconds Distance to Travel Distance in 1 Sec (from above)

Hint: Use the Calculator App on your Chromebook if you want!

Mission 1 Results

1	2	3
Were you successful? <input type="checkbox"/> YES! <input type="checkbox"/> NO! If you didn't make it, try again!	Were you successful? <input type="checkbox"/> YES! <input type="checkbox"/> NO! If you didn't make it, try again!	Were you successful? <input type="checkbox"/> YES! <input type="checkbox"/> NO! If you didn't make it, try again!

Mission 2 - Make Milo Travel 220 cm

$$\boxed{} = \boxed{220 \text{ cm}} \div \boxed{}$$

Number of Seconds Distance to Trave Distance in 1 Sec (from above)

Hint: Use the Calculator App on your Chromebook if you want!

Mission 2 Results

1	2	3
Were you successful? <input type="checkbox"/> YES! <input type="checkbox"/> NO! If you didn't make it, try again!	Were you successful? <input type="checkbox"/> YES! <input type="checkbox"/> NO! If you didn't make it, try again!	Were you successful? <input type="checkbox"/> YES! <input type="checkbox"/> NO! If you didn't make it, try again!

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Now that you have learned how to program Milo to go specific distances, Mission control wants you to program Milo to go all the way across your classroom as a final test before allowing you to send Milo out on the Mars surface. Measure and calculate carefully, Mars Explorers!

Mission 3 - Make Milo Travel Across the Room

$$\boxed{} = \boxed{} \text{ cm} \div \boxed{}$$

Number of Seconds
Distance to Travel
Distance in 1 Sec (from above)

Hint: Use the Calculator App on your Chromebook if you want!

Reflect on your explorations.

Did your second trial with the Repeat block work better than the first trial?

Explain why you think it worked better.

Mission Control is asking if you are ready to explore Mars with Milo. Give them two reasons why you feel you will be successful in sending Milo to the spots they need him to travel to.

- 1.
- 2.



Calculation Help

Remember, to calculate how many seconds to run Milo to make the distance, divide the total distance by the distance Milo can go in 1 second.

For example:

$$\boxed{66 \text{ cm}} \div \boxed{11 \text{ cm}} = \boxed{6}$$

Distance Milo should move
Distance Milo moves in 1 second
This is the number of seconds Milo should run to move 66 cm

Use the calculator on your Chromebook if you want!