

# Gravity Jump Data

Name: \_\_\_\_\_

1. Measure how many centimeters you can jump.

Location	Height of Jump 1	Height of Jump 2
Earth	_____ cm	_____ cm

2. Find the average of how high you can jump.

Add your jumps together.	Divide your answer by 2.	Round to the nearest whole number.
		_____ cm This is your average Earth jump. <b>(A)</b>

3. Figure out how high you could jump on different planets and moons.

Location	<b>(B)</b> Compared to Earth, this place has...	<b>(C)</b> How many times more or less gravity does it have than Earth?	<b>(D)</b> In this place, my jump would be:	<b>(E)</b> To figure out my jump on this place, I need to:	Calculate how high you can jump on each planet or moon using the equation below.
Moon	more gravity less gravity		higher lower	multiply divide	$\boxed{\text{(A)}} \times \text{or } \div \boxed{\text{(E)}} \boxed{\text{(C)}} =$
Jupiter	more gravity less gravity		higher lower	multiply divide	$\boxed{\text{(A)}} \times \text{or } \div \boxed{\text{(E)}} \boxed{\text{(C)}} =$
Triton	more gravity less gravity		higher lower	multiply divide	$\boxed{\text{(A)}} \times \text{or } \div \boxed{\text{(E)}} \boxed{\text{(C)}} =$
Titan	more gravity less gravity		higher lower	multiply divide	$\boxed{\text{(A)}} \times \text{or } \div \boxed{\text{(E)}} \boxed{\text{(C)}} =$
Mars	more gravity less gravity		higher lower	multiply divide	$\boxed{\text{(A)}} \times \text{or } \div \boxed{\text{(E)}} \boxed{\text{(C)}} =$
Neptune	more gravity less gravity		higher lower	multiply divide	$\boxed{\text{(A)}} \times \text{or } \div \boxed{\text{(E)}} \boxed{\text{(C)}} =$

4. What pattern do you notice between how massive a planet or moon is and the amount of gravity that it has? Hint: Look at your graph.

I notice that \_\_\_\_\_  
 \_\_\_\_\_  
 \_\_\_\_\_