



## Measurement Story: Space Mission

Grade 5

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

Solve the measurement problems based on the story.

Use the story details. 1 ton = 2,000 lb. Calculate time and distance.

**Example:** 50 tons = 100,000 lb

(1) The SparkRocket has a launch mass of 45,000 kilograms. What is its mass in grams?

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(2) If the rocket burns 500 grams of fuel every second, how many kilograms of fuel does it burn in 60 seconds?

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(3) The rocket's mission destination is 3,000 kilometers away from Earth. What is this distance in meters?

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(4) The 4 astronauts each need 2 liters of water per day for a 7-day mission. How many milliliters of water do they need in total?

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(5) The rocket travels at a speed of 500 meters per second. How many kilometers does it travel in 60 seconds?

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