



Measurement Story: Space Mission

Grade 3

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 weighs 45,000 kilograms at launch. How many grams does the rocket weigh? 🚀

- (2) The rocket burns 500 grams of fuel every second. How many kilograms of fuel does it burn in 60 seconds? 🔥

- (3) The space mission destination is 3,000 kilometers from Earth. How many meters away is the destination? 🌐

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



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

