



## Measurement Story: Space Mission

Grade 4

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 per second. How many kilograms of fuel does it burn in 60 seconds?
- \_\_\_\_\_
- (3) The mission destination is 3,000 kilometers from Earth. How many meters away is the destination?
- \_\_\_\_\_
- (4) The crew has 4 astronauts, each needing 2 liters of water per day for a 7-day mission. How many milliliters of water do they need in total?
- \_\_\_\_\_



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

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