

Luna's Space Adventure

Grade 3 · Liters and kilograms · 3.MD.A.2

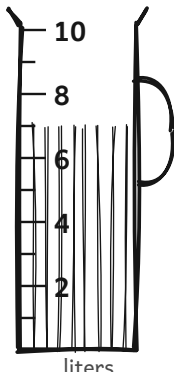
Name _____

Date _____

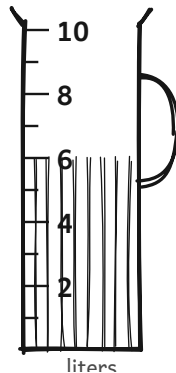


Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

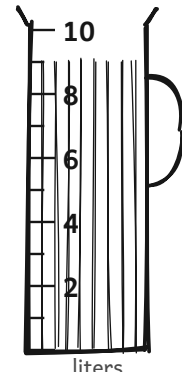
How much water? Read the level.



liters

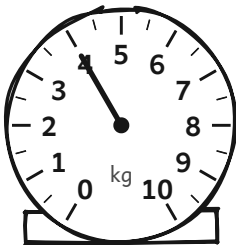


liters

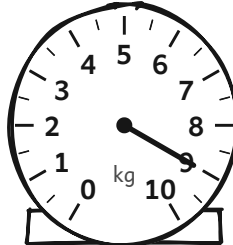


liters

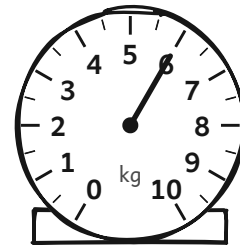
How heavy? Read the needle.



kg



kg



kg

Story time

- ① A tank holds 29 liters. Zed pours in 7 more liters. How many liters are in the tank now?

.....

_____ liters

Luna's Space Adventure

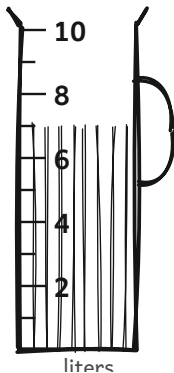
Grade 3 · Liters and kilograms · 3.MD.A.2

ANSWER KEY

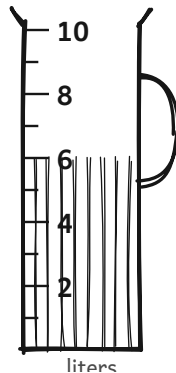


Astronaut Luna is exploring a far-off corner of space. Solve each problem to help Luna's mission go smoothly!

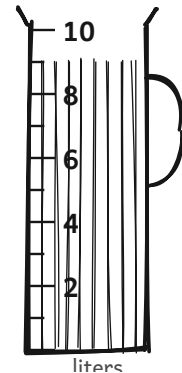
How much water? Read the level.



7 liters

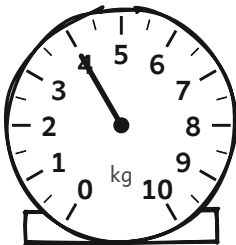


6 liters

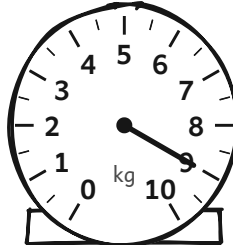


9 liters

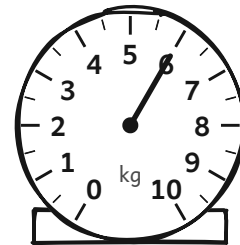
How heavy? Read the needle.



4 kg



9 kg



6 kg

Story time

- ① A tank holds 29 liters. Zed pours in 7 more liters. How many liters are in the tank now?

$$29 + 7 = 36$$

36 liters

Luna's Space Adventure

Grade 3 · Liters and kilograms · 3.MD.A.2

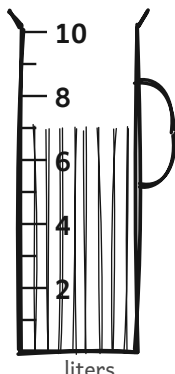
GUIDE

① What this sheet practises

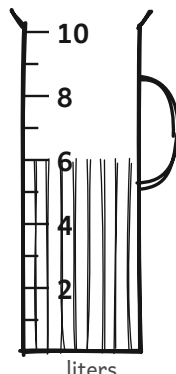
Measuring how much liquid in liters and how heavy in grams and kilograms, reading scales, and solving stories with them.

② A problem from the sheet, worked out

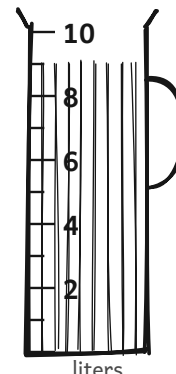
How much water? Read the level.



7 liters



6 liters



9 liters

How: Read a scale like a number line: find what each mark is worth, then count up to the water level or the needle.

③ Words to know

liter a unit of liquid, about a big water bottle

kilogram a unit of mass, about a bag of flour

gram a small unit of mass, about a paperclip

scale the numbered marks you read

④ Watch for

- Counting every mark as 1 when the scale counts by 2s or 5s.
- Reading the top of the container instead of the water level.
- Mixing up liters (how much) and kilograms (how heavy).

⑤ Where it fits

BEFORE

2.MD.A.1

Measure length with a ruler, yardstick, meter stick or tape.

THIS SHEET

3.MD.A.2

Measure and estimate liquid volume and mass in liters, grams and kilograms.

NEXT

4.MD.A.1

Know how units compare in size and convert within one system.

⑥ Helping at home

Read measuring jugs and kitchen scales together while cooking: how many grams, how many liters?