LIQUID VOLUME

LITERS AND MILLILITERS

CCSS 3.MD.2

Color the water up to the red line.

Liquid Volume: Co

Find the number on the scale. The red line is at that

1 Color the water up to the red line. **150 mL**

3 Color the water up to the red line. **450 mL**

My name _____

Read the scale. Write how much.

Liquid Volume: Read the Scale, Every Mark Labeled

Each mark has a number. Read the top of the water.

1 How much water? **300** mL

2 How much water? **100** mL

3 How much water? **400** mL

4 How much water? **200** mL

Liquid Volume Worksheets - Read the Scale - Read the Scale, Every Mark Labeled

3 LEVELS

Bright Path Sped



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This is a fillable PDF

- Open it in a PDF reader (Adobe Acrobat Reader, Preview, or your browser), click into a box, type, and Save As.
- The name line and every answer box are type-in fields. You can also print a page and let students write in the boxes with a pencil.
- It works offline once downloaded.

Print at 100 percent

Turn off fit to page and shrink to fit so the scales and boxes stay big enough to read and write in. Pages print in color or in black and white; the water tint is light, so a gray print still reads.

Student work

A filled-in tracker carries a student's name. Keep it in the data folder, and use a first name only on any page that leaves your hands.

Need help?

If a box will not behave or a page will not print the way you expect, use Ask a Question on the product page before leaving a review. Every question is read, and a fix to the file ships as a free update: re-download it any time from My Purchases.

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PREVIEW

My name _____

Read the example. Then try one.

Liquid Volume: How Much Liquid?

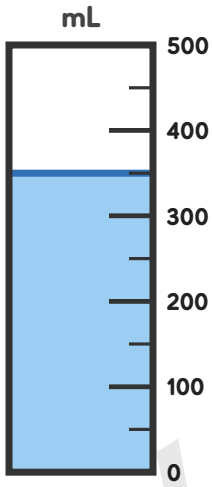
Two units for liquid

mL = milliliter. A small amount.
A drop. A spoonful. A cup.

L = liter. A big amount.
A bucket. A fish tank.

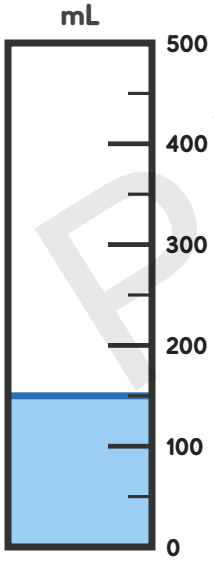
1 L = 1,000 mL

How to read the scale



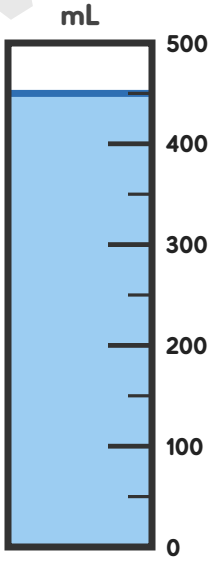
1. Find the top of the water.
2. Find the number just below it. It is **300**.
3. Count up by the small marks. Each is **50**.
300 + 50 = **350**
The water is at **350 mL**.

Your turn



How much water?

_____ **mL**



How much water?

_____ **mL**

PREVIEW

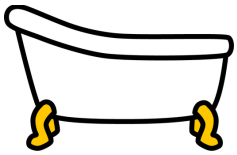
My name _____

Write mL or L.

Liquid Volume: Liters or Milliliters, Starting

mL is a small amount. L is a big amount.

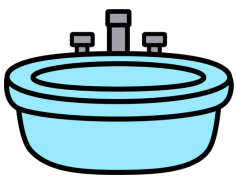
1  a small carton of milk

2  a bathtub full of water

3  a bottle of apple juice

4  a cup of orange juice

5  a baby bottle of milk

6  a sink full of water

PREVIEW

My name _____

Write mL or L on the line.

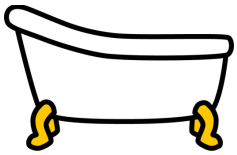
Liquid Volume: Fill In the Unit

Read the whole sentence first.

1 

A small carton of milk is about 250 _____.

Write the unit: ☐

2 

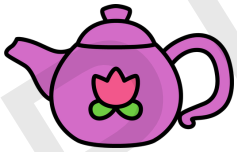
A bathtub holds about 150 _____.

Write the unit: ☐

3 

A bottle of apple juice holds about 1 _____.

Write the unit: ☐

4 

A teapot holds about 1 _____.

Write the unit: ☐

5 

A baby bottle holds about 250 _____.

Write the unit: ☐

6 

A cup of juice is about 300 _____.

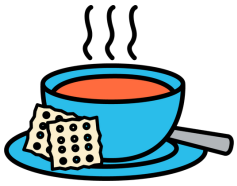
Write the unit: ☐

PREVIEW

My name _____

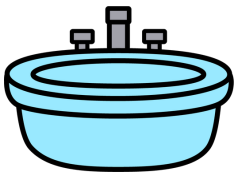
Pick the best guess. Write A, B or C.

Liquid Volume: Estimate the Volume, Building

1 

a bowl of soup

A. 30 mL B. 300 mL C. 3 L Best: ☐

2 

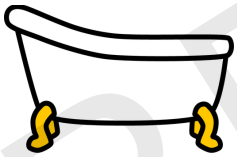
a sink full of water

A. 15 mL B. 150 mL C. 15 L Best: ☐

3 

a cup of juice

A. 250 mL B. 25 mL C. 25 L Best: ☐

4 

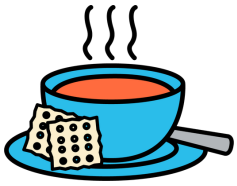
a tub of water for the dog

A. 4 mL B. 40 L C. 400 mL Best: ☐

5 

a hose running for one minute

A. 10 L B. 10 mL C. 1 mL Best: ☐

6 

a bowl of soup

A. 25 mL B. 2 L C. 250 mL Best: ☐

PREVIEW

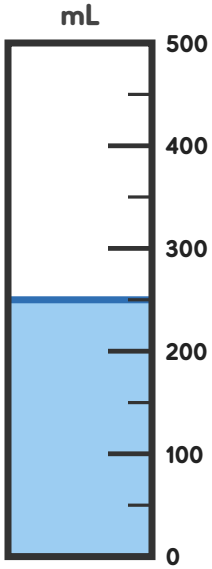
My name _____

Read the scale. Write how much.

Liquid Volume: Read the Scale, Between the Labels

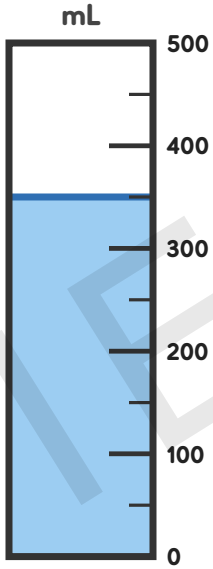
Some marks have no number. Count up from the number below.

1



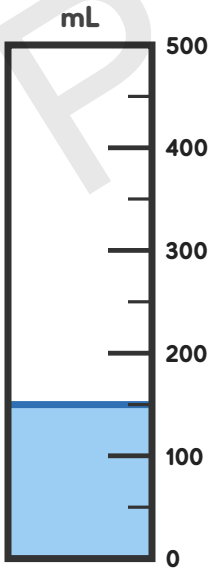
How much water? _____ mL

2



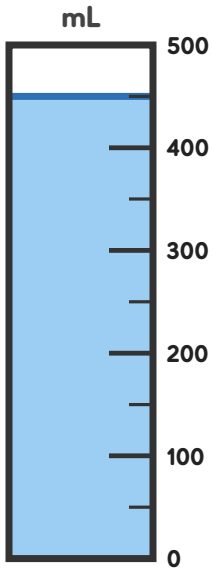
How much water? _____ mL

3



How much water? _____ mL

4



How much water? _____ mL

PREVIEW

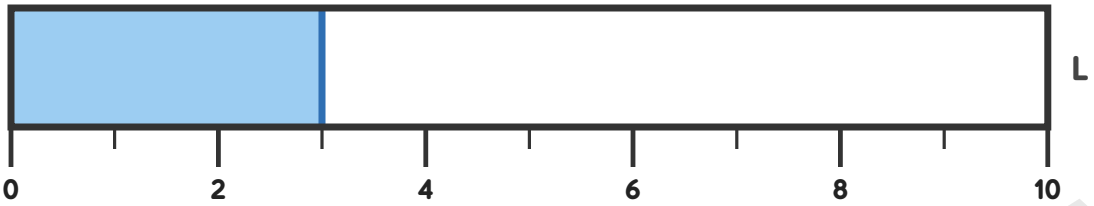
My name _____

Read the scale. Write how many liters.

Liquid Volume: Read the Scale, Liters

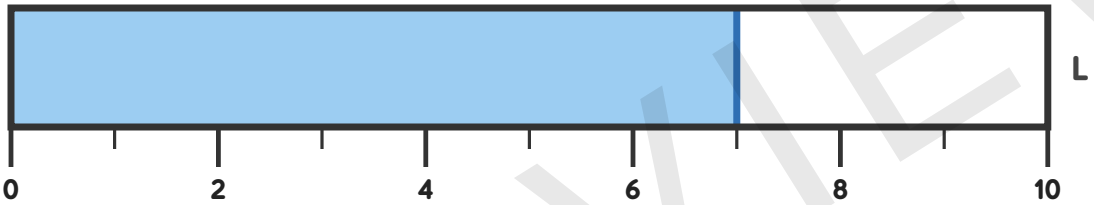
Each mark is 1 L. Some marks have a number.

1



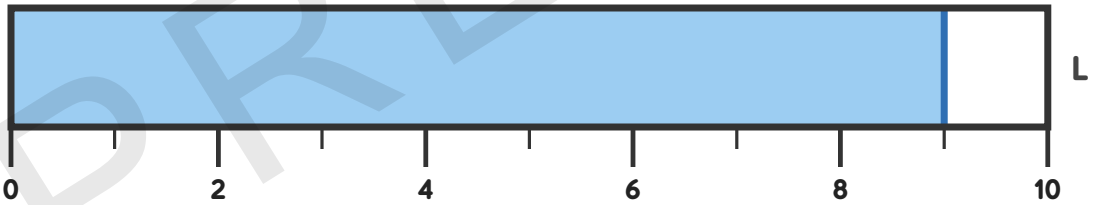
The water is at ____ L

2



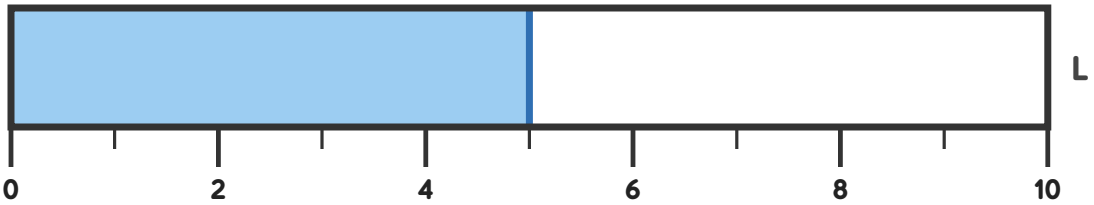
The water is at ____ L

3



The water is at ____ L

4



The water is at ____ L

PREVIEW

My name _____

Is the first volume more, less or the same?

Liquid Volume: Compare Volumes, Same Unit

Write more, less or same in the box.

1 **450 mL** ☐ **540 mL**

2 **800 mL** ☐ **80 mL**

3 **3 L** ☐ **7 L**

4 **250 mL** ☐ **250 mL**

5 **9 L** ☐ **6 L**

6 **325 mL** ☐ **352 mL**

PREVIEW

My name _____

Is the first volume more, less or the same?

Liquid Volume: Compare Volumes, Mixed Units

1 L = 1,000 mL 2 L = 2,000 mL 3 L = 3,000 mL 4 L = 4,000 mL

1 **2 L** ☐ **1,500 mL**

2 **800 mL** ☐ **1 L**

3 **3,000 mL** ☐ **3 L**

4 **4 L** ☐ **4,500 mL**

5 **2,500 mL** ☐ **2 L**

6 **1 L** ☐ **900 mL**

PREVIEW

My name _____

Read. Add. Write how many mL.

Liquid Volume: Word Problems, Add

1 Mia pours 250 mL of juice into a cup. Then she pours in 300 mL more. How many mL of juice is that in all?

Show your work

Answer _____ mL

2 A pot has 400 mL of soup. Dad adds 350 mL more. How many mL of soup are in the pot now?

Show your work

Answer _____ mL

3 Eli fills a bottle with 125 mL of water. Then he adds 275 mL more. How many mL of water are in the bottle?

Show your work

Answer _____ mL

4 Ana mixes 180 mL of paint with 420 mL of water. How many mL of liquid does she have in all?

Show your work

Answer _____ mL

PREVIEW

My name _____

Read. Solve. Write the answer.

Liquid Volume: Word Problems, Mixed

1 A cooler holds 18 L of water. Nia pours out 7 L. How many L are left?

Show your work

Answer _____ L

2 Each fish tank holds 8 L of water. There are 3 tanks. How many L of water are in all 3 tanks?

Show your work

Answer _____ L

3 A class has 36 L of water to share equally among 4 pails. How many L go in each pail?

Show your work

Answer _____ L

4 A recipe uses 250 mL of milk for 1 batch. How many mL of milk are used for 3 batches?

Show your work

Answer _____ mL

PREVIEW

My name _____

Cut. Glue each scale by its number.

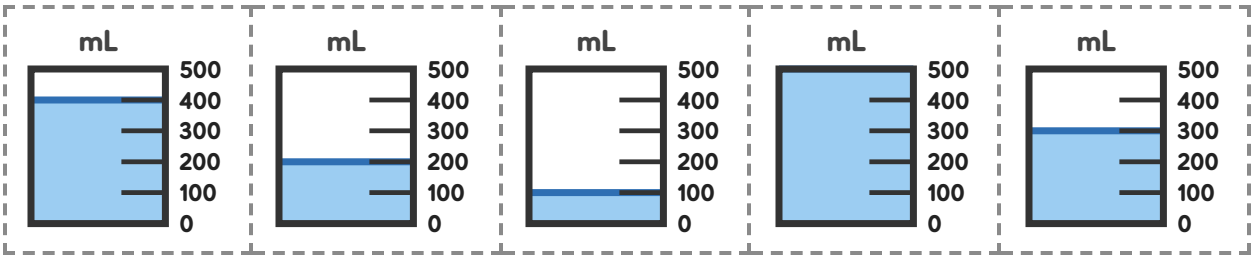
1 **300 mL**

2 **100 mL**

3 **500 mL**

4 **200 mL**

5 **400 mL**



PREVIEW

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Which Unit?

mL

milliliters: small amounts

a drop

a teaspoon

a spoonful

a baby bottle

a glass

L

liters: big amounts

a big bottle

a bucket

a watering can

a fish tank

a bathtub

PREVIEW

1 L = 1,000 mL

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Answer Key 2

Each answer is for the problem number on its page.

Page 14: Color to the Line

1) color up to **150 mL**
2) color up to **350 mL**
3) color up to **450 mL**
4) color up to **250 mL**

Page 15: Compare Volumes, Same Unit

1) 450 mL is **less**
2) 800 mL is **more**
3) 3 L is **less**
4) 250 mL is **same**
5) 9 L is **more**
6) 325 mL is **less**

Page 16: Liters and Milliliters Table

Liters: 2 L = **2,000** mL, 3 L = **3,000** mL, 4 L = **4,000** mL, 5 L = **5,000** mL, 6 L = **6,000** mL, 7 L = **7,000** mL, 8 L = **8,000** mL

Milliliters: 4,000 mL = **4** L, 2,000 mL = **2** L, 7,000 mL = **7** L, 3,000 mL = **3** L, 9,000 mL = **9** L, 6,000 mL = **6** L, 8,000 mL = **8** L

Page 17: Compare Volumes, Mixed Units

1) 2 L is **more** (2,000 mL and 1,500 mL)
2) 800 mL is **less** (800 mL and 1,000 mL)
3) 3,000 mL is **same** (3,000 mL and 3,000 mL)
4) 4 L is **less** (4,000 mL and 4,500 mL)
5) 2,500 mL is **more** (2,500 mL and 2,000 mL)
6) 1 L is **more** (1,000 mL and 900 mL)

Small marks

On page 12 each small mark is worth 5 mL and every 10 mL is labeled. For problem 1, the water is 1 mark above 30, so 30 + 5 = 35 mL.

Page 18: Put in Order

1) **1,500 mL, 2 L, 2,250 mL**
2) **500 mL, 750 mL, 1 L**
3) **2,900 mL, 3 L, 3,100 mL**
4) **950 mL, 1 L, 1,050 mL**

Reading a comparison

To compare mL and L, change the liters to mL first: 1 L = 1,000 mL. Then the bigger number is the bigger volume. The key shows both volumes in mL for the mixed-unit page.

Reading between the labels

On page 11 each small mark is worth 50 mL and every 100 mL is labeled. For problem 1, the top of the water is 1 small mark above 200, so 200 + 50 = 250 mL.

PREVIEW

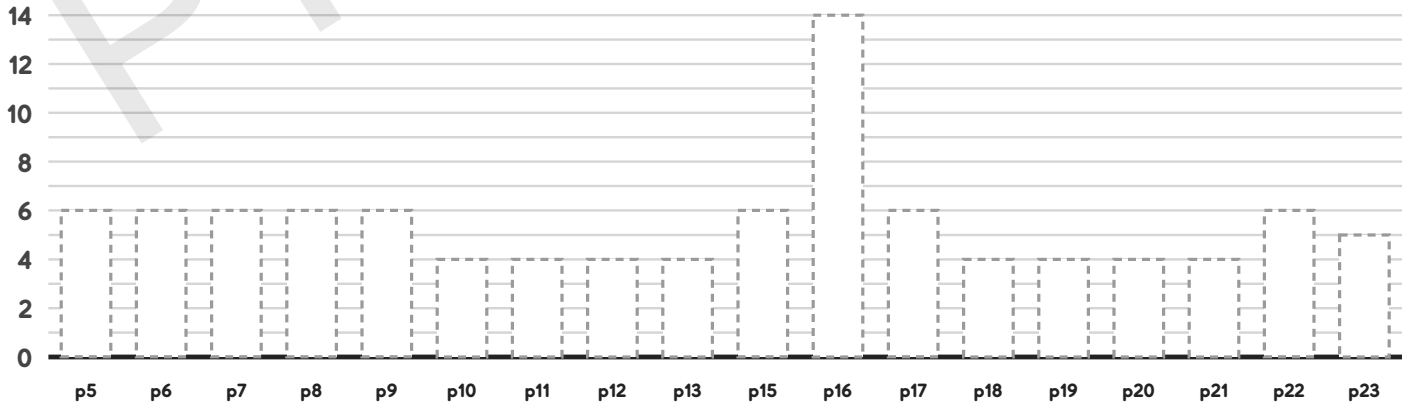
Tracker and Roll-Up

Write the date and how many were right. Then color the column for that sheet. A blank row means not done yet, never wrong.

Student _____ Teacher _____ School year _____

Page	Sheet	Date	Right	Out of	Notes
5	Liters or Milliliters, Starting			6	
6	Liters or Milliliters, Building			6	
7	Fill In the Unit			6	
8	Estimate the Volume, Starting			6	
9	Estimate the Volume, Building			6	
10	Read the Scale, Every Mark Labeled			4	
11	Read the Scale, Between the Labels			4	
12	Read the Scale, Small Marks			4	
13	Read the Scale, Liters			4	
15	Compare Volumes, Same Unit			6	
16	Liters and Milliliters Table			14	
17	Compare Volumes, Mixed Units			6	
18	Put in Order			4	
19	Word Problems, Add			4	
20	Word Problems, Subtract			4	
21	Word Problems, Mixed			4	
22	Cut and Glue, Liters or Milliliters			6	
23	Cut and Glue, Match the Scale			5	

Roll-up: color one column for each sheet, up to the number right. The dashed box is the most it can be.



Notes for the team

PREVIEW

Liquid Volume at Home

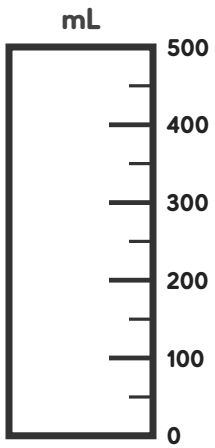
Send this page home with a child, or hand it to a family at a conference.

Student _____ Week of _____

How to help at home, in three steps

- Find a measuring cup or a clear bottle with marks on its side. Look at the marks together and say what each one is worth.
- Pour water in up to a mark. Ask: how many mL is this? Pour a little more and ask again.
- Ask your child to guess which holds more, a cup or a big bottle, and then check by looking at the label.

Our family scale: color the water, then write how much



The water is at ☐ mL

Try saying

- "Is this a little or a lot of water? Would we say mL or L?"
- "What is each small mark worth?"

Note from the teacher

Note from home

PREVIEW