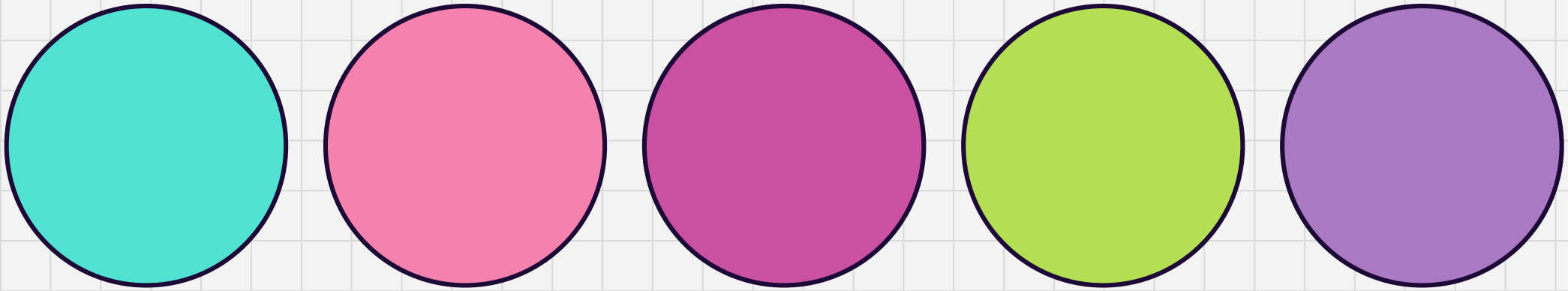
Unit 4, Module 2, Session 4

More Measurement Problems



Learning Goal:

I can solve measurement- related problems using the proper operation and an efficient strategy.

I can solve multi-step measurement problems that have more than one operation.

Spiral Review

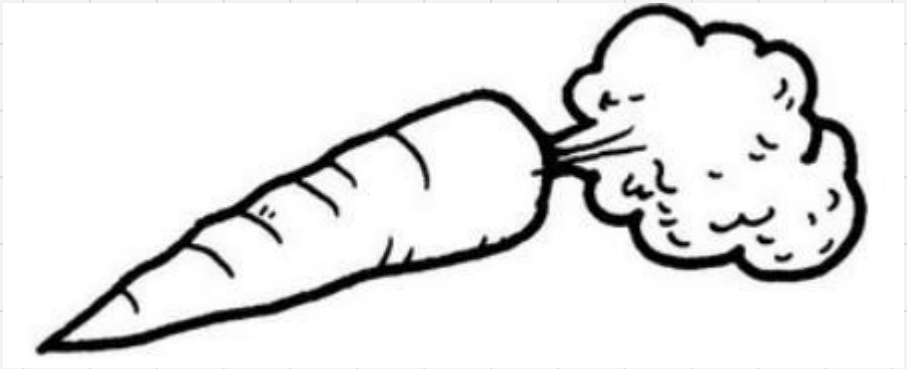
8:33

7:18

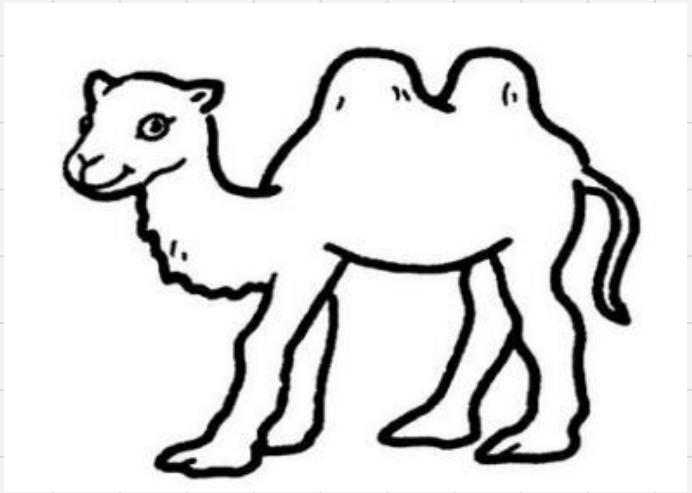
5:14

What time is it?

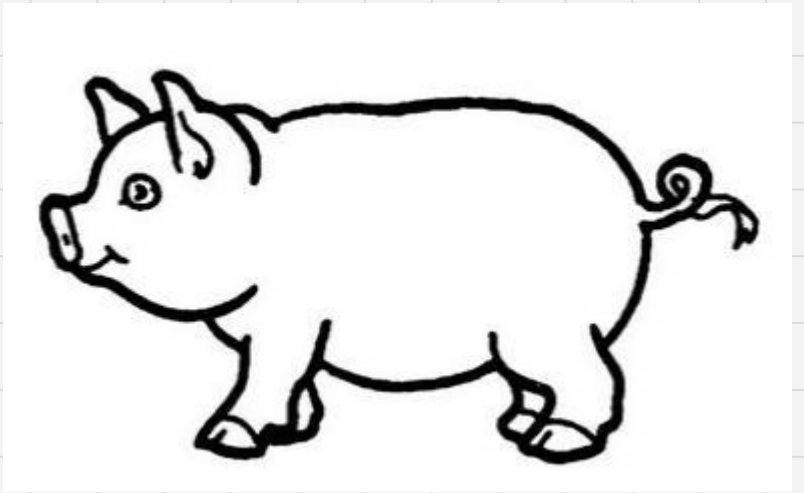
Spiral Review



grams (g)



kilograms (kg)

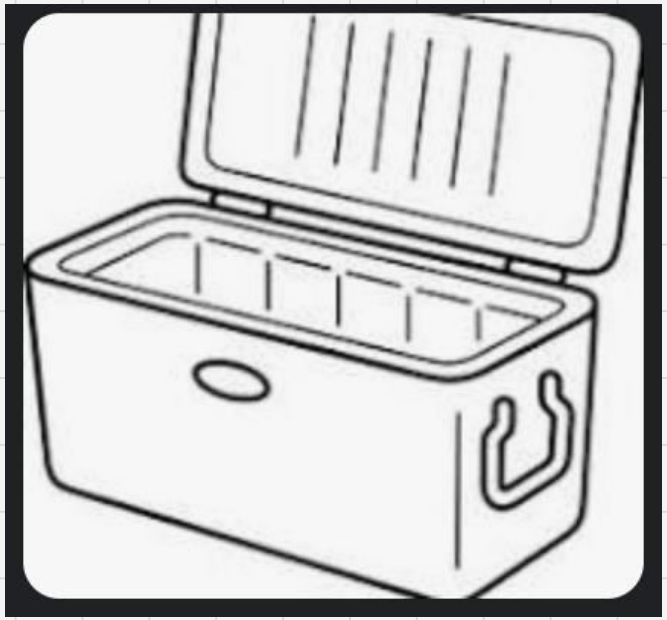


kilograms (kg)

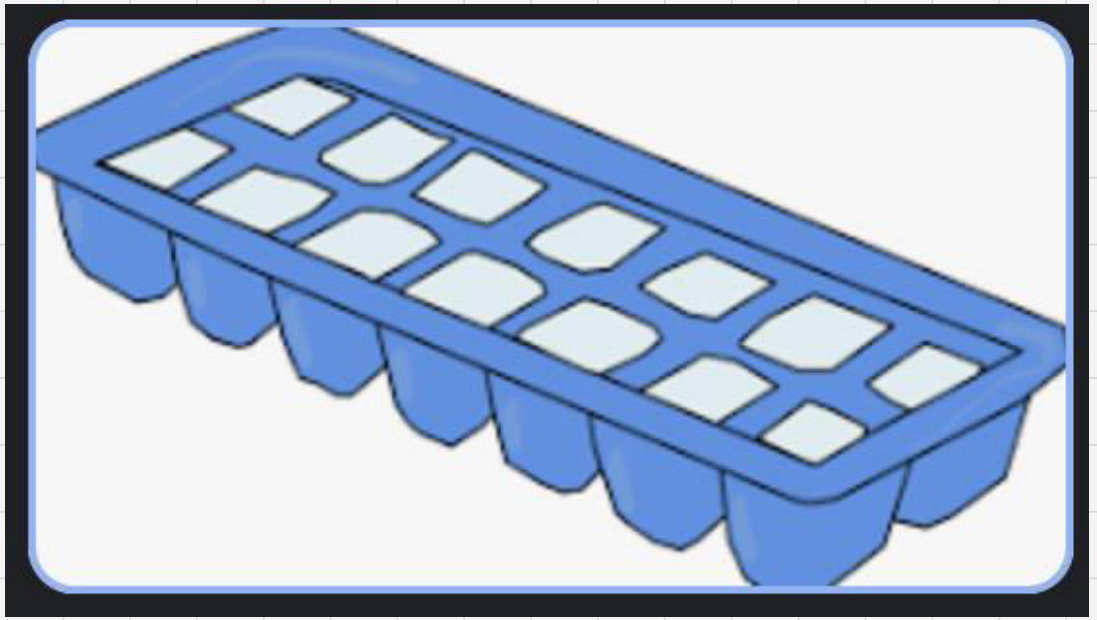
Would you measure the mass of this object using grams (g) or kilograms (kg)?

Spiral Review

milliileters
(mL)



liters (L)



milliliters
(mL)

Would you measure volume of liquid in this object using milliliters (mL) or liters (L)?

Spiral Review

kilometers (km)

meters (m)

centimeters (cm)

Would you measure the length of this object using centimeters (cm), meters (m), or kilometers (km)?

Math Forum

Measurement Problems

Today we will share the strategies you used yesterday to solve measurement story problems.

Bird Measurement Problems page 1 of 2

Solve the problems on this sheet and the next. Show your thinking using words, numbers, or sketches.

1 A bird named Sal has a mass of 149 grams. Sal landed on a leaf next to a bird named Ted with a mass of 398 grams. How much mass do they have together? Be sure to label your answer with the correct units.

Together, Sal and Ted have a mass of _____ _____

Units

2 How much more mass does Ted have than Sal? Be sure to label your answer with the correct units.

Ted has _____ _____ more mass than Sal.

Units

3 If Sal leaves his nest at 1:30 and flies for 2 hours and 10 minutes, what time does he come back?

Sal comes back at _____.

4 If Ted leaves his nest at 8:50 and flies for 30 minutes, what time does he come back?

Ted comes back at _____.

(continued on next page)

5 Ted jumped into a beaker of water that held 313 ml of water. When he flew back out, there was only 189 ml of water left. How much water had splashed out of the beaker?

_____ _____ had splashed out of the beaker.

Units

6 Ted's nest has three times as much mass as Ted. How much mass does Ted's nest have?

Ted's nest has a mass of _____ _____

Units

7 Sal's nest has three times as much mass as Sal. How much mass does Sal's nest have?

Sal's nest has a mass of _____ _____

Units

8 **CHALLENGE** Sal's mother has a mass of 450 grams, which is 6 times the mass of his baby brother, Sammy. How much mass does Sammy have?

Sammy has a mass of _____ _____

Units

Problems & Investigations

More Measurement Problems

Student Book Pages 124-125

NAME | DATE

More Measurement Problems page 1 of 2

Solve the following problems. Show your thinking using words, numbers, or sketches. Label your answers with the correct units.

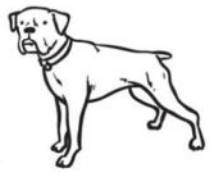
1 There were 5 lizards sitting on one side of a pan balance scale. Together, the lizards had a mass of 234 grams. One lizard with a mass of 25 grams got off the balance and a different lizard with a mass of 43 grams got on. Now, how much mass do the 5 lizards on the balance have?

The 5 lizards on the pan balance scale have a mass of _____.

2 There are 4 puppies and each puppy has a mass of about 3 kilograms. The mother dog has a mass that is 5 times as much as one of her puppies. How much mass do all 5 dogs—the 4 puppies and their mother—have together?

The 5 dogs together have a mass of _____.

3 The dog's water dish had 23 milliliters of water. The owner added water so that there was 4 times that amount. The dog drank 39 milliliters of that water. How much water was left in the dish?



There was _____ of water left in the dish.

NAME | DATE

More Measurement Problems page 2 of 2

4 Abby is four times taller than her dog, Gabi. Gabi is 51 centimeters tall. How tall is Abby when she is wearing shoes that are 6 centimeters tall?

Abby is _____ tall.

5 Use the number line provided to model and solve each of these problems.

a The Math Club started baking at 3:35 p.m. and baked for 3 hours and 30 minutes. What time did they finish?

The Math Club finished baking at _____.

b The Math Club started setting up for the bake sale the next day at 11:45 a.m. They were ready to start the bake sale at 1:30 p.m. How long did it take them to set up?

It took the Math Club _____ to set up.

Daily Practice

Must Do

- Student Book Page 126
- XtraMath

May Do

- 3B Add & Round Tens
- 3C Round Ball Hundreds
- 3D Round & Add Hundreds
- 4A Tic-Tac-Tock
- 4B Measurement Scavenger Hunt
- 4C Target One Thousand