



Unit 7 Assessment

- ① Circle the container that is most likely to hold about 1 liter of liquid.

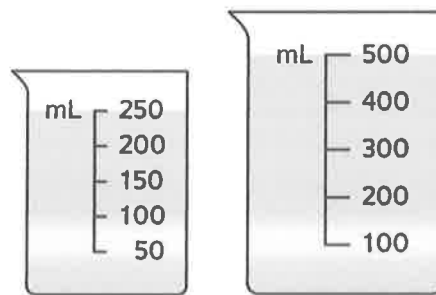
cup

water bottle

bucket

Solve each measurement number story in Problems 2–4. Show your work.

- ② Daniel fills these two beakers and pours them into his jar.



There is no room left in his jar.

What is the liquid volume of his jar?

Answer: about _____ mL (milliliters)



Unit 7 Assessment (continued)

- ③ Allison fills a beaker with 1,000 milliliters of water. Then she pours some of the water from the beaker to fill a glass. There are 300 milliliters of liquid left in the beaker.

What is the liquid volume of the glass?

Answer: about _____ mL (milliliters)

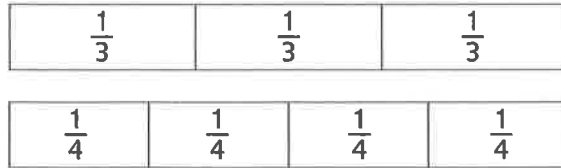
- ④ One crayon has a mass of about 5 grams. What is the mass of 12 crayons together?

Answer: about _____ grams



Unit 7 Assessment (continued)

- ⑤ Kristen uses her fraction strips to compare $\frac{1}{3}$ and $\frac{1}{4}$.



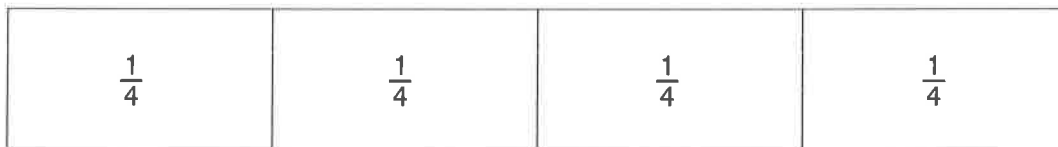
Kristen writes this number sentence: $\frac{1}{3} < \frac{1}{4}$

Do you agree with Kristen? _____

Use Kristen's fraction strips to help explain your answer.

- ⑥ Partition the number line into fourths and label each tick mark.

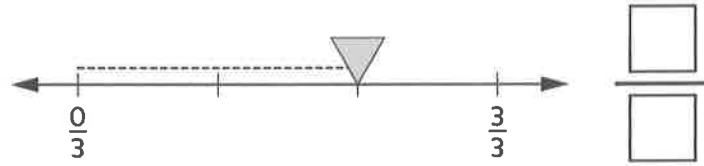
You may use the fraction strip to help.





Unit 7 Assessment (continued)

- ⑦ How far did the triangle move? Record the fraction.



- ⑧ Write $>$, $<$, or $=$ to make the number sentences true.
The whole is the same for each fraction.
You may use your fraction tools.

$<$ means *is less than*
 $>$ means *is greater than*
 $=$ means *is equal to*

a. $\frac{1}{8}$ _____ $\frac{1}{2}$

b. $\frac{3}{4}$ _____ $\frac{3}{6}$

c. $\frac{4}{2}$ _____ $\frac{3}{2}$

d. $\frac{4}{8}$ _____ $\frac{2}{4}$

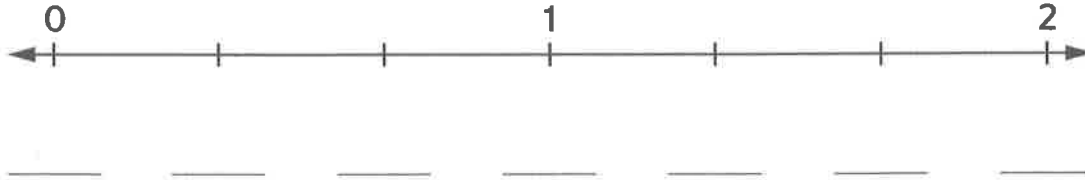
- e. Show how you can compare $\frac{4}{8}$ and $\frac{2}{4}$ using the number lines below.





Unit 7 Assessment (continued)

- 9 a. Fill in the missing thirds on the number line.



- b. Draw a point at $\frac{4}{3}$.

- c. Is $\frac{4}{3}$ greater than, less than, or equal to 1? _____

How do you know? _____

- 10 Solve the fraction stories. Show your work.
Use fraction circles, fraction strips, number lines, or drawings.

- a. Ron rode his bike $\frac{1}{6}$ of a mile.

Tammy rode her bike $\frac{1}{8}$ of a mile.

Who rode the greater distance?

Answer: _____

- b. Four friends share 3 oranges equally.

What fraction of an orange does each friend get?

Answer: _____

(unit)



Unit 7 Assessment (continued)

- 11 a. What fraction is this fraction strip showing?



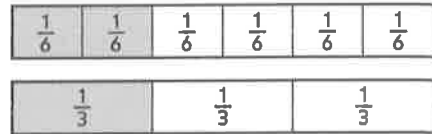
_____ of a fraction strip

- b. Partition this fraction strip to show halves.
Label with fractions.

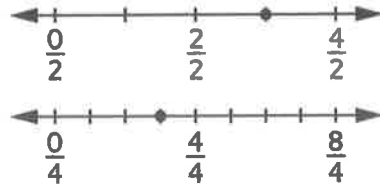


- 12 Draw a line from each number sentence to the picture that matches it.

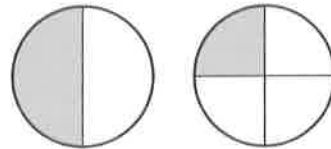
$$\frac{1}{2} > \frac{1}{4}$$



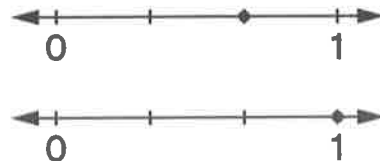
$$\frac{2}{3} < \frac{3}{3}$$



$$\frac{2}{6} = \frac{1}{3}$$



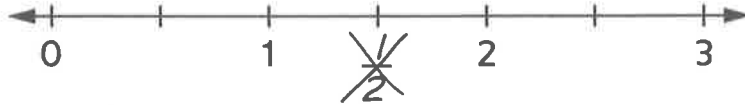
$$\frac{3}{2} > \frac{3}{4}$$





Unit 7 Assessment (continued)

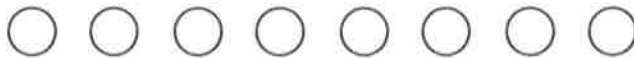
- 13 Alexander made a mistake when he labeled $\frac{1}{2}$ on the number line below. He crossed out his mistake but needs help to fix it.



- a. Explain Alexander's mistake.

- b. Label $\frac{1}{2}$ on the number line.

- 14 a. Four people share 8 pennies. Circle each person's share.



How many pennies does each person get? _____ pennies

Write the fraction of the total number of pennies that each person gets. _____ of the pennies

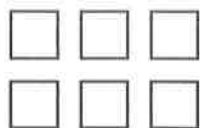
- b. Sai and Anika each have 6 blocks.

$\frac{2}{6}$ of Sai's blocks are red.

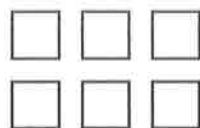
$\frac{4}{6}$ of Anika's blocks are red.

Shade the blocks to show Sai's and Anika's red blocks.

Sai's blocks



Anika's blocks



Who has more red blocks? _____



Unit 7 Challenge

- ① a. Mark and label the points $\frac{3}{4}$, $\frac{7}{4}$, and $\frac{10}{4}$ on the number line.



- b. Write $<$, $>$, or $=$ to make the number sentences true.

Use the number line above to help.

$$\frac{7}{4} \underline{\hspace{1cm}} 2$$

$$\frac{10}{4} \underline{\hspace{1cm}} 2$$

- ② Felipe shared his collection of 12 baseball cards equally with his brother. Write at least 3 different equivalent fractions that name each boy's share of the cards.

- ③ Write $<$, $>$, or $=$ to make the number sentences true.

You may use fraction tools to help.

a. $\frac{3}{4} \underline{\hspace{1cm}} \frac{4}{8}$

b. $\frac{6}{4} \underline{\hspace{1cm}} \frac{3}{2}$

c. $\frac{2}{6} \underline{\hspace{1cm}} \frac{7}{8}$

d. $\frac{3}{4} \underline{\hspace{1cm}} \frac{6}{8}$

- e. Choose a fraction tool to help you compare $\frac{3}{4}$ and $\frac{4}{8}$.
Draw a picture to show what you did.