NAME | DATE

Unit 4 Post-Assessment page 1 of 4

Solve the problems below. Show your work and write the answer on the line, labeling it with the correct unit.

1 **a** Murat is shopping at the market. He bought 502 grams of apples and 399 grams of oranges. What is the mass of the apples and oranges together?

The apples and oranges have a total mass of _____.

b Murat's pool holds 600 liters of water. It has 298 liters of water in it right now.
How many more liters of water should he put in the pool to fill it?

Murat should put _____ of water in the pool to fill it.

c There are 9 rows of fruits and vegetables at the market. Each row is 13 meters long. If Murat walked along each row, how far did he walk?

Murat walked _____.

2 For problems 3a–3c, circle the appropriate words to fill in the blanks.

a A bathtub holds a lot of water. I would measure its _____ with _____.

| mass | length | volume |

| liters | kilograms | milliliters |

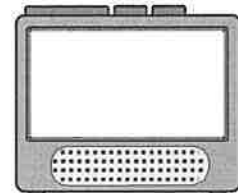**b** A worm is not very long! I would measure its _____ with _____.

| mass | length | volume |

| meters | grams | centimeters |

c A bag of feathers is light! I would measure its _____ with _____.

| mass | length | volume |

| milliliters | grams | kilograms |

3 Read each of these clock faces and write the time on the digital clock.

4 Raj went swimming. He swam for 45 minutes. When he was done, it was 5:00. What time did Raj start swimming? Use numbers, sketches, or words to show your thinking.

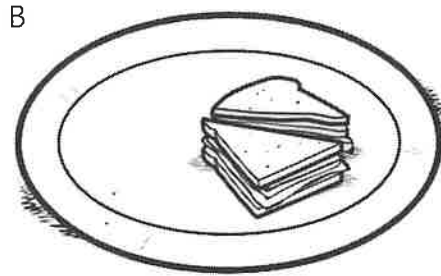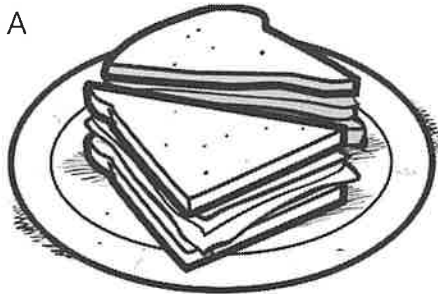Raj started swimming at _____.

NAME | DATE

Unit 4 Post-Assessment page 3 of 4

5 Here are two cheese sandwiches.

A

B

a Would you rather have $\frac{1}{4}$ of sandwich A or $\frac{1}{4}$ of sandwich B?

b Why? Explain your answer.

6 Write the correct symbol >, =, or < to compare the fractions in each pair.
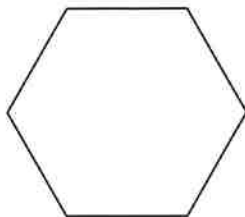
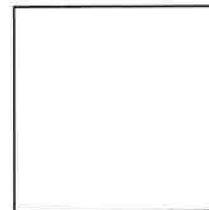$\frac{7}{8}$ ___ $\frac{5}{8}$ $\frac{1}{6}$ ___ $\frac{1}{4}$ $\frac{2}{6}$ ___ $\frac{3}{6}$ $\frac{1}{3}$ ___ $\frac{1}{8}$

7 Divide each shape into the number of pieces you need, and then shade in the fraction.
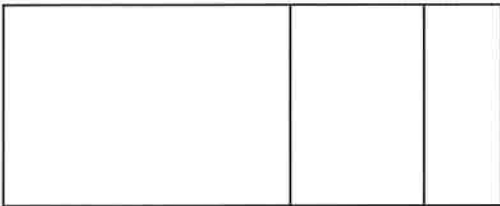
a. $\frac{3}{6}$

b $\frac{3}{4}$
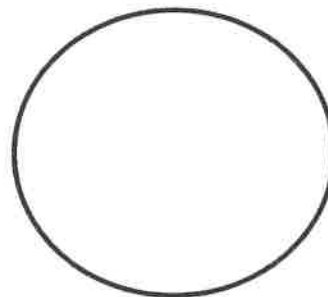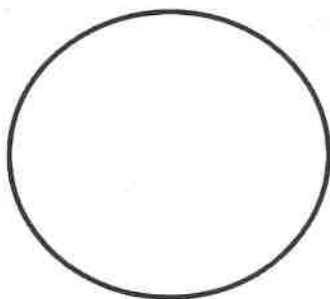
NAME | DATE

Unit 4 Post-Assessment page 4 of 4

8 Label the line below with the following numbers: 1, $\frac{1}{2}$, $\frac{1}{8}$, $\frac{7}{8}$.

◄———|—————————————————————————►

0

9 Britta says that this rectangle is divided into thirds. Do you agree with Britta? Use words, labeled sketches, or numbers to explain your answer.

10 Sam says that $\frac{1}{6}$ of an apple pie is more than $\frac{1}{3}$ of the same apple pie because 6 is more than 3. Do you agree with Sam? Draw your thinking on the circles (apple pie) below. Then write a sentence explaining why you agree or disagree.

I _____ (agree or disagree) with Sam because _____