Post-Assessment

Module 4
Session 4

Today's Activities

- Unit 4 Post-Assessment
- Work Places

Unit 4 Post - Assessment

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For each of the problems below:

- Use numbers, sketches, or words to show your thinking.
- Write the answer on the line and label it with the correct units.

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 Leyla is building a boat. She nailed together 6 pieces of wood. Each piece has a mass of 11 kilograms. Then, she nailed on 2 more pieces of wood. Each of these pieces had a mass of 12 kilograms.

a What is the mass of the wood Leyla has nailed together so far? Show your work, and label the answer with the correct units.

The mass of the wood that Leyla has nailed together so far is _____.

b Choose the equation that best represents this problem. (The letter m stands for mass.)

- ○ $(6 \times 11) + (2 \times 12) = m$
- ○ $6 + 11 + 2 + 12 = m$
- ○ $(6 + 11) - (2 + 12) = m$
- ○ $(11 \times 12) + 2 + 6 = m$

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3 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

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

5 Draw the hour and minute hands on the clock faces to show the times on the digital clocks.

6 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 _____.

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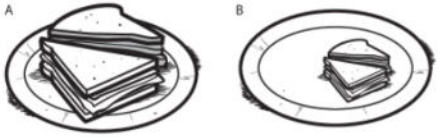
7 Here are two cheese sandwiches.



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

b Why? Explain your answer.

8 Write the correct symbol >, =, or < to compare the fractions in each pair.

$\frac{7}{8} \square \frac{5}{8}$ $\frac{1}{6} \square \frac{1}{4}$ $\frac{2}{6} \square \frac{3}{6}$ $\frac{1}{3} \square \frac{1}{8}$

9 Divide each shape into the number of pieces you need, and then shade in the fraction.

a $\frac{3}{6}$

b $\frac{3}{4}$

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

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

12 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? Use words, labeled sketches, or numbers to explain your answer.

13 Is the statement True or False? Make a sketch to prove that you're correct. You can use your pattern blocks to help if you like.

a $\frac{6}{6} > 1$	True False	
b $\frac{2}{3} < \frac{1}{2}$	True False	
c $\frac{2}{6} = \frac{1}{3}$	True False	
d $\frac{3}{5} = \frac{4}{6}$	True False	

Work Places

- 3C - Round Ball Hundreds
- 3D - Round & Add Hundreds
- 4A - Tic-Tac-Tok
- 4B - Measurement Scavenger Hunt
- 4C - Target One Thousand
- 4D - Heavagon Spin & Fill

Closing

- Clean up your supplies
- Did the problems seem easier this time than when you took the pre-assessment several weeks ago? Why or why not?

Optional

Complete Measurements & Fractions on page 142 in your student book.