Working with Fractions Quiz

You may use fraction circle pieces and any pages in the *Student Guide* Reference section as you work.

1. Write two equivalent fractions for each of the fractions below.

A. $\dfrac{1}{6} = \dfrac{\square}{\square} = \dfrac{\square}{\square}$ **B.** $\dfrac{12}{16} = \dfrac{\square}{\square} = \dfrac{\square}{\square}$

2. Compare the fractions by writing =, >, or < in the box.

A. $\dfrac{4}{6} \ \square \ \dfrac{5}{8}$ **B.** $\dfrac{12}{18} \ \square \ \dfrac{2}{3}$

C. Show or tell how you found your answer for Question 2A.

3. Write $\frac{3}{7}$, $\frac{1}{4}$, and $\frac{3}{8}$ in order from smallest to largest.
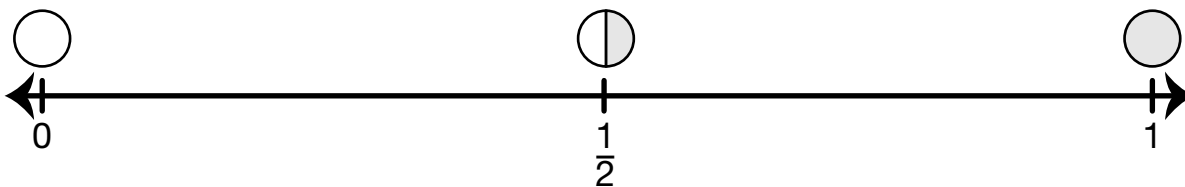
$\square < \square < \square$

4. Find the following fraction sums or differences. Be sure your answers are in the simplest form. Show or tell how you found your answer for each. Estimate to be sure your answers are reasonable.

A. $\frac{3}{4} + \frac{2}{3}$

B. $\frac{5}{6} - \frac{1}{3}$

C. $\frac{5}{10} + \frac{1}{4} + \frac{1}{5}$

D. Show how you estimated to be sure your answer to 4B is reasonable.

5. Keenya and Maya went apple picking. They made a table to show the amount of apples they picked. Which girl picked more total apples? Show or tell how you found your answer and include labels.

Amount of Apples Picked

	Keenya	Maya
McIntosh apples	$\frac{1}{4}$ basket	$\frac{1}{2}$ basket
Granny Smith apples	$\frac{3}{5}$ basket	$\frac{2}{5}$ basket

Name _____ Date _____

Working with Fractions Quiz Feedback Box	Expec- tation	Check In	Comments
Find equivalent fractions using fraction circle pieces, number lines, and multiplication and division strategies. [Q# 1A–B]	E1		
Solve word problems involving addition of fractions. [Q# 5]	E5		
Add and subtract fractions with unlike denominators using area models and paper-and-pencil methods. [Q# 4–5]	E8		
Estimate sums of fractions using benchmarks and mental math strategies. [Q# 4]	E9		
Find common denominators and use them to • add fractions. [Q# 4A, 4C, 5] • subtract fractions. [Q# 4B] • compare fractions. [Q# 2–3]	E10		

Name _____ Date _____

	Yes . . .	Yes, but . . .	No, but . . .	No. . .
MPE1. **Know the problem.** I read the problem carefully. I know the questions to answer and what information is important. [Q# 5]				
MPE2. **Find a strategy.** I choose good tools and an efficient strategy for solving the problem. [Q# 2C, 4D, 5]				
MPE3. **Check for reasonableness.** I look back at my solution to see if my answer makes sense. If it does not, I try again. [Q# 4D]				
MPE5. **Show my work.** I show or tell how I arrived at my answer so somene else can understand my thinking. [Q# 5]				
MPE6. **Use labels.** I use labels to show what number mean. [Q# 5]				