Fraction Assessment

The purpose of this test is to find out what you know about fractions. You will be shown 3 problems on the overhead. Estimate the answer by recording in each box the whole number the answer is closest to.

1. 

2. 

3. 
Continue to work on the rest of the test on your own. Show all the work you do to solve each problem.

4. Bert’s father cuts a cake into 8 pieces. He is going to take 3-fourths of the cake to the party. How many pieces of cake will he take with him?

A. Draw a picture below to solve the problem.

B. The number of pieces of cake taken to the party is:

5. ________

6. Draw in the box a set of circles 3-fourths as many circles as you see here:

7. What fraction of the circle is part c?
8. How many fifths are shaded? \[\frac{4}{5}\]

9. Circle \(\frac{2}{3}\)

10. ______ is 3-fourths of some length.

Draw the whole length below. Explain why it is the whole.

For problems 11-13, give two fraction names for the shaded amount.

11. \[
\begin{array}{c}
\frac{1}{4}\\ \\
\frac{1}{2}
\end{array}
\]

12. \[
\begin{array}{c}
\frac{1}{4}\\ \\
\frac{1}{2}
\end{array}
\]

13. \[
\begin{array}{c}
\frac{1}{4}\\ \\
\frac{1}{2}
\end{array}
\]
For problems 14-18, circle the larger fraction. If equal, circle both. Explain your reasoning for each.

14.
\[
\frac{3}{4} \quad \frac{2}{3}
\]

15.
\[
\frac{1}{2} \quad \frac{5}{8}
\]

16.
\[
\frac{3}{12} \quad \frac{7}{12}
\]

17.
\[
\frac{4}{9} \quad \frac{4}{11}
\]

18.
\[
\frac{8}{14} \quad \frac{4}{9}
\]
You may use your fraction circles on the last five problems. Draw pictures to show what you did with the circles.

19. Liana ate \(\frac{3}{8}\) of a small pizza.
The next day she ate \(\frac{1}{4}\) of a small pizza.
How much of a pizza did she eat altogether?

20. Ann and Josie received the same allowance. Josie spent \(\frac{4}{9}\) of hers on CDs. Ann spent \(\frac{1}{3}\) of her allowance repairing her bicycle. Josie spent how much more of her allowance than Ann?
21. Show Pictures Here

\[
\frac{3}{4} + \frac{2}{3} + \underline{} \quad \text{or} \quad \underline{} + \frac{2}{3} + \frac{3}{4}
\]

22.

\[
\frac{1}{2} - \frac{3}{8} - \underline{}
\]

23.

\[
\frac{1}{3} - \frac{2}{6} - \underline{}
\]
1) \[
\frac{7}{8} + \frac{12}{13} =
\]

2) \[
\frac{3}{8} + \frac{5}{12} =
\]

3) \[
\frac{8}{9} - \frac{7}{8} =
\]