**FRACTION IDEAS PRACTICE TEST**

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| 1. Draw a circle divided into 6 equal parts. Shade 5 of those parts.

What fraction of the circle is shaded? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1.

What fraction of the circle is a? \_\_\_\_\_\_\_\_\_\_\_\_\_\_ What fraction of the circle is a, b and c combined?\_\_\_\_\_\_\_\_\_\_\_ What fraction of the circle is e?\_\_\_\_\_\_\_\_\_\_\_\_\_What fraction of the circle is a? \_\_\_\_\_\_\_\_\_\_\_\_\_\_ What fraction of the circle is c,d,e,f,and g combined?\_\_\_\_\_\_\_\_\_\_\_ What fraction of the circle is g?\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. You want to share your pan of brownies equally among yourself and your 8 friends. Draw a picture of your pan of brownies showing how you would divide it up to share.

What fraction of the pan will each get? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. Circle the larger fraction. Explain your thinking for each example.

$\frac{2}{4} \frac{2}{3}$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ $\frac{1}{10} \frac{1}{20}$ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ $\frac{4}{5} \frac{2}{5} $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ $\frac{3}{9} \frac{6}{9} $ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_  |
| 1. Give **two fraction names** for the shaded amount in each picture. You may draw on the pictures to help you find equivalent fractions.

 \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ |
| 1. Find equivalent fractions. You may use your fraction circles to find equivalent fractions.

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| 1. Draw a picture of chips (or tiles) to show each fraction below. **Use 8 chips** as the unit for each example.

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| 1. How many fifths are shaded?

\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. Give three fraction names for the amount shaded.

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| 1. Draw a picture of $\frac{1}{3}$ using 12 chips (or tiles). What is another fraction amount for the picture drawn?

 Another fraction name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. If the whole circle is the unit, name the amount shaded in two different ways.

 \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. Draw a picture to show $\frac{6}{4}$. Name that amount using a mixed fraction.

 Name as a mixed fraction \_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. List three fractions equal to $\frac{1}{2}$.

\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_ |
| 1. Circle the larger fraction in each pair:

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| 1. Challenge: Which is bigger: $\frac{3}{4} $or $ \frac{2}{3}$ ? **Explain your thinking.**
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| 1. Use fraction circles to solve this problem. **Draw a picture of what you did with the circles.**

$$\frac{3}{4} + \frac{1}{8}$$ |
| 1. Use fraction circles to solve this problem. **Draw a picture of what you did with the circles.**

 Picture  Answer \_\_\_\_\_\_\_\_\_\_\_\_\_\_  |
| 1. Use fraction circles to solve this problem. **Draw a picture of what you did with the circles.**

$$\frac{3}{4} - \frac{3}{8}$$ Picture  Answer \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 1. Use your fraction circles to solve this problem. Draw a picture of what you did with the circles.

*Alex needed* $\frac{3}{4} $*cup of sugar to bake cookies. When he measured out the sugar, he had only* $\frac{1}{2}$ *cup of sugar. How much more sugar did he need?* Pictures  Answer \_\_\_\_\_\_\_ |
| 1. Ty noticed that there was $\frac{6}{8}$ of a pizza left over. He ate an amount equal to $\frac{1}{4}$ of the pizza. How much of a whole pizza was left? Use your fraction circles to solve and draw a picture of what you did.

 Pictures  Answer \_\_\_\_\_\_\_ |
| 1. Is the answer to this problem greater than one or less than one? Explain your thinking.

  Explanation |
| 1. Is this a reasonable answer? Explain your thinking.

  Explanation |