Grade 3 · Unit 5 Worksheet

Fractions as Numbers

Name: _____ Date: _____

Part A · Naming Fractions

1. Below is a fraction strip. The whole strip is one unit.

How many equal parts is the strip divided into? _____

Each part is called a _____ ('one-sixth' would be written as _____).

If you shaded 4 of the parts, what fraction would be shaded? _____

2. Look at this strip with 3 of 4 parts shaded:

What fraction is shaded? _____

What fraction is NOT shaded? _____

What do the two fractions add up to?

Part B · Fractions on a Number Line

3. On the number line below, the interval from 0 to 1 is divided into 4 equal parts.

Label each tick mark with a fraction (1/4, 2/4, 3/4).

Draw a dot at 3/4.

How do you know where to put 3/4? Explain.

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0 1

4. On a number line from 0 to 2, partitioned into eighths:

Where would 8/8 be? At the number _____

Where would 16/8 be? At the number _____

What fraction is at the same place as 1? _____

What fraction is at the same place as 2? _____

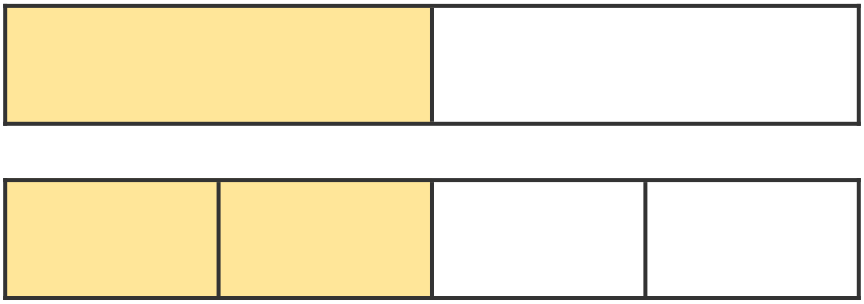
Part C · Equivalent Fractions

5. Here are two fraction strips of the same length. The first is divided into halves (1 part shaded). The second is divided into fourths (2 parts shaded).

What fraction is shaded in the first strip? _____

What fraction is shaded in the second strip? _____

Are these two fractions equivalent? How can you tell from the strips?



6. Write TWO fractions that are equivalent to each:

a. 1/2 = _____ = _____

b. 2/3 = _____ = _____

c. How can you make a fraction equivalent to 1/2 if the denominator is 8? Explain.

Part D · Comparing Fractions

7. Compare each pair. Write <, >, or =.

a. 2/4 _____ 3/4

b. 1/3 _____ 1/6

c. 3/8 _____ 3/4

d. 4/4 _____ 1

8. Lin says, "1/8 is bigger than 1/4, because 8 is bigger than 4." Is Lin correct? Explain.

Part E · Thinking Deeply

9. Two pizzas are the same size. The first pizza is cut into 4 equal slices and Han ate 2 of them. The second pizza is cut into 8 equal slices and Mai ate 4 of them. Who ate more pizza?

Show your thinking with a drawing or fraction strips:

Answer:

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10. Diego drew a number line from 0 to 1 and said the point at 1/3 was "between 1/2 and 1." What's the mistake?

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11. Draw a fraction strip that shows 5/6.

Now draw another fraction strip the same length, but shaded to show a fraction LESS than 5/6. (Draw it here)

What fraction did you choose? _____

12. A fraction is between 0 and 1 on the number line. The denominator is 6. List ALL the fractions it could be.