Name _____   Date _____ Time _____

Everyday Math, Grade 5
Chapter 8 Review

Part A.

Write each fraction as a decimal and a percent.

1. $\frac{4}{10}$ _____ , _____

2. $\frac{4}{35}$ _____ , _____

3. $\frac{18}{100}$ _____ , _____

4. $\frac{17}{49}$ _____ , _____

5. What is a common denominator for $\frac{4}{5}$ and $\frac{1}{6}$? _____

6. What is a common denominator for $\frac{3}{9}$ and $\frac{1}{3}$? _____

7. Explain how you found the common denominator in Problem 5.

_____

_____

8. Is $\frac{9}{17}$ greater or less than $\frac{1}{2}$? _____

9. Explain how you decided on your answer for Problem 8.

_____

_____

10. a. Use your ruler to draw a line segment $3\frac{3}{4}$ inches long.

   b. If you erased $\frac{1}{2}$ inch from this line segment, how long would the new line segment be? _____ in.

Add or subtract. Write your answer in simplest form.

1. $\frac{1}{4} + \frac{1}{5} =$ _____

2. $\frac{2}{3} + \frac{2}{5} =$ _____

3. $\frac{3}{8} + \frac{1}{8} =$ _____

4. $\frac{3}{5} - \frac{1}{2} =$ _____

5. $2\frac{1}{3} + 3\frac{1}{4} =$ _____

6. $7\frac{1}{4} - 3\frac{3}{4} =$ _____

7. $4\frac{3}{5} = 3\frac{}{5}$ _____

8. $4\frac{5}{6} = \underline{\quad}\frac{11}{6}$

9. $2\frac{1}{9} = 1\frac{}{9}$ _____

Put the fractions in order from least to greatest.

$$\frac{3}{4} \qquad \frac{2}{9} \qquad \frac{1}{2} \qquad \frac{2}{6} \qquad \frac{3}{7}$$

Part B.

1. If you draw a line segment that is twice as long as $3\frac{3}{4}$ inch line segment, how long would the new line segment be? _____ in.

2. Shelly measured the growth of her tulips every week. One Monday, it was $5\frac{5}{7}$ inches tall. The next Monday, it was $6\frac{3}{7}$ tall. How much had it grown in one week? _____ in.

3. How many minutes in $\frac{2}{3}$ of an hour? _____

4. Jesse baked 52 cookies for the bake sale. If 25% of them were chocolate chip, how many cookies were chocolate chip? _____

Multiply or divide. Write your answer in simplest form.

1. $\frac{3}{5} \times \frac{1}{6} =$ _____   2. $4\frac{1}{4} \times 3\frac{2}{3} =$ _____   3. $\frac{1}{2} \div 8 =$ _____   4. $7 \div \frac{1}{2} =$ _____

Everyday Math, Grade 5
Chapter 8 Review

Part A.

Write each fraction as a decimal and a percent.

1. $\frac{4}{10}$ 0.4, 40%

2. $\frac{4}{35}$ 0.11, 11%

3. $\frac{18}{100}$ 0.18, 18%

4. $\frac{17}{49}$ 0.35, 35%

5. What is a common denominator for $\frac{4}{5}$ and $\frac{1}{6}$? 30

6. What is a common denominator for $\frac{3}{9}$ and $\frac{1}{3}$? 9

7. Explain how you found the common denominator in Problem 5.

You can multiply the two denominators or you can list the multiples of each denominator and choose the first common number.

8. Is $\frac{9}{17}$ greater or less than $\frac{1}{2}$? Greater Than

9. Explain how you decided on your answer for Problem 8.

8.5 is half of 17 and 9 is greater than 8.5. Therefore, $\frac{9}{17}$ is greater than half.

10. a. Use your ruler to draw a line segment $3\frac{3}{4}$ inches long.

Teacher will need to measure each students' answer to check for accuracy.

b. If you erased $\frac{1}{2}$ inch from this line segment, how long would the new line segment be? $3\frac{1}{4}$ in.

Add or subtract. Write your answer in simplest form.

1. $\frac{1}{4} + \frac{1}{5} = \frac{9}{20}$

2. $\frac{2}{3} + \frac{2}{5} = 1\frac{1}{15}$

3. $\frac{3}{8} + \frac{1}{8} = \frac{1}{2}$

4. $\frac{3}{5} - \frac{1}{2} = \frac{1}{10}$

5. $2\frac{1}{3} + 3\frac{1}{4} = 5\frac{7}{12}$

6. $7\frac{1}{4} - 3\frac{3}{4} = 3\frac{1}{2}$

7. $4\frac{3}{5} = 3\frac{8}{5}$

8. $4\frac{5}{6} = 3\frac{11}{6}$

9. $2\frac{1}{9} = 1\frac{10}{9}$

Put the fractions in order from least to greatest.

$\frac{2}{6}$ $\frac{2}{9}$ $\frac{1}{2}$ $\frac{3}{7}$ $\frac{3}{4}$

Part B.

1. If you draw a line segment that is twice as long as $3\frac{3}{4}$ inch line segment, how long would the new line segment be? $7\frac{1}{2}$ in.

2. Shelly measured the growth of her tulips every week. One Monday, it was $5\frac{5}{7}$ inches tall. The next Monday, it was $6\frac{3}{7}$ tall. How much had it grown in one week? $\frac{7}{7}$ in.

3. How many minutes in $\frac{2}{3}$ of an hour? 40

4. Jesse baked 52 cookies for the bake sale. If 25% of them were chocolate chip, how many cookies were chocolate chip? 13 cookies

Multiply or divide. Write your answer in simplest form.

1. $\frac{3}{5} \times \frac{1}{6} = \frac{1}{3}$

2. $4\frac{1}{4} \times 3\frac{2}{3} = 12\frac{1}{6}$

3. $\frac{1}{2} \div 8 = \frac{1}{16}$

4. $7 \div \frac{1}{2} = 14$