

Name _____

Unit 5 Review- Due: Tuesday, December 8

Unit 5 Test on Wednesday, December 9

Unit 5: Review

$$\frac{2}{3} + \frac{3}{4} =$$

$$\frac{14}{15} - \frac{2}{3} =$$

$$\frac{4}{5} \times 20 =$$

$$5 \div \frac{1}{4} =$$

$$8 \times \frac{2}{3} =$$

$$\frac{1}{6} \div 3 =$$

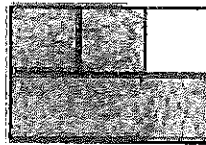
$$\frac{15}{6} =$$

$$4\frac{5}{8} =$$

$$\frac{6}{7} = \frac{54}{?}$$

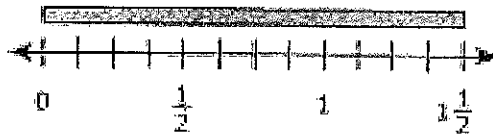
1. Explain the process of simplifying a fraction. Give two examples.
2. Explain the process of converting a mixed number into an improper fraction. Give two examples.
3. How are fractions and division related? Give one example.
4. How do you know if two fractions are equivalent? Give one example.

5. Why is the product of a fraction (less than one) and a whole number smaller than the whole number?
6. Explain a real life situation where a fraction is divided by a whole number.
7. Michelle divided her scrapbook page into sections. Each section she decorate was either $\frac{1}{6}$ or $\frac{1}{2}$ of the page. The shaded parts of the figure show the sections Michelle decorated.



What fractional part of the page did Michelle decorate?

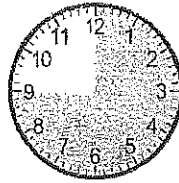
8. Haley grew a total of $1\frac{1}{2}$ inches this year as shown by the number line.



Haley grew $\frac{7}{8}$ inch last year. Write and solve an equation to show how much more Haley grew this year than last year.

9. Mallorie's recipe for salsa calls for $\frac{3}{4}$ cup of sweet onion. If Mallorie triples the recipe for her family reunion, how many cups of onion will she use?

10. Mason's mom tells him he has $\frac{3}{4}$ hour to clean his room, as represented by the shaded clock face.



Mason spends $\frac{1}{2}$ hour organizing his desk. He spends the rest of the time picking up toys. Which equation can be used to find the fraction of an hour Mason spends picking up toys?

- a. $\frac{3}{4} + \frac{2}{4} = \frac{5}{4}$
 b. $1 - \frac{3}{4} = \frac{1}{2}$
 c. $\frac{3}{4} - \frac{2}{4} = \frac{1}{4}$
 d. $\frac{3}{4} - \frac{1}{2} = \frac{1}{2}$

11. Daisy correctly drew a model to match the following equation.

$$3 \div \frac{1}{5} =$$

Draw a model Daisy could have used.

12. Sally's mom has $\frac{1}{2}$ of a pot of chili left over after dinner. She wants to divide it into 3 equal servings for lunch the next day. What fractional part of the original pot of chili does each serving of leftover chili represent?

13. Mrs. Paxton baked a rectangular cake. She cut the cake into 3 equal sections and gave $\frac{1}{3}$ of the cake to her neighbor, Mrs. Kelly. Mrs. Kelly cut her section of cake into 8 equal pieces, as shown in the model below.



Each piece is a fractional part of the original cake. Complete the equation to show the fractional part of the whole cake represented by each of Mrs. Kelly's pieces.

ANSWER: _____ \div _____ = _____

14. What is the sum of three-fifths and two-thirds?

15. Monica has to read 24 pages tonight for homework. She reads $\frac{2}{3}$ of the pages before dinner. How many pages does she need to read after dinner?