lesson seven - student resource sheet

Lesson Objective: Add and subtract fractions with like denominators, and write answers in simplest form.

Vocabulary Box

numerator — The top number of a fraction; the number of parts of the whole. Example: $\frac{\rightarrow 5}{6}$.

denominator — The bottom number of a fraction; the number of parts into which the whole is divided. Example: $\frac{5}{\rightarrow 6}$.

simplest form — For any fraction, the form in which 1 is the only common factor of the numerator and denominator. Example: $\frac{23}{24}$ or $\frac{5}{6}$ or $\frac{1}{2}$.

Guided Practice

Directions: Solve each problem with a partner.

I. Add or subtract. Write your answer in simplest form.

1. $\frac{1}{4}+\frac{2}{4}=$

2. $\frac{8}{10}-\frac{3}{10}=$

3. $\frac{5}{6}-\frac{3}{6}=$

II. Solve each problem. Write your answer in simplest form.

1. $\frac{7}{8}+\frac{1}{8}=$

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

3. $\frac{6}{9}-\frac{3}{9}=$

4. $\frac{7}{15}-\frac{2}{15}=$

Summary/Closure

A. Vocabulary Words

1. Identify the parts of the fraction.

$$\frac{10}{45}$$

numerator — _____

denominator — _____

2. Explain how to simplify $\frac{10}{45}$.

B. Summarize What We Learned Today

Solve the problem below, then write it in simplest form, if possible. Explain your steps in complete sentences.

$$\frac{4}{17}+\frac{3}{17}$$

lesson eight - student resource sheet

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Vocabulary Box

numerator — The top number of a fraction; the number of parts of the whole.
Example: $\frac{\rightarrow 5}{6}$.

denominator — The bottom number of a fraction; the number of parts into which the whole is divided. Example: $\frac{5}{\rightarrow 6}$.

simplest form — For any fraction, the form in which 1 is the only common factor of the numerator and denominator. Example: $\frac{23}{24}$ or $\frac{5}{6}$ or $\frac{1}{2}$.

Independent Practice

Directions: Complete the exercises on your own.

I. Write the following fractions in simplest form.

1. $\frac{5}{15} =$ _____
2. $\frac{4}{8} =$ _____
3. $\frac{15}{33} =$ _____
4. $\frac{10}{20} =$ _____

II. Add or subtract. Write the answer in simplest form.

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

2. $\frac{7}{8}-\frac{1}{8}=$_____

3. $\frac{3}{10}+\frac{4}{10}=$_____

III. Add or subtract. Write the answer in simplest form.

1. $\frac{1}{20}+\frac{3}{20}=$_____

2. $\frac{8}{30}-\frac{2}{30}=$_____

3. $\frac{2}{18}+\frac{5}{18}=$_____

Directions: Fill in the blanks in the problems below. Be careful! Answers are in simplest form.

1. $\frac{1}{21}+\frac{2}{21}=\frac{1}{\_}$

2. $\frac{9}{40}-\frac{\_}{40}=\frac{1}{8}$

Problem Solving

A recipe is shown on the card below. Answer the following questions, based on the card. Be sure to show your work.

Strawberry Smoothie

$\frac{3}{4}$ cup strawberries

$\frac{1}{2}$ cup ice cream

$\frac{1}{4}$ cup ice (crushed)

$\frac{1}{8}$ cup strawberry syrup

$\frac{1}{4}$ cup milk

Blend ingredients until smooth.
Yield: 1 serving

1. You are going to double the recipe. How much milk will you need?

2. How many smoothies would you need to make to use $\frac{1}{2}$ cup of strawberry syrup?

3. You put the strawberries and ice into the blender. How many cups of ingredients are in the blender, so far?

Directions: Write answers in simplest form.

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

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

3. $\frac{14}{25}-\frac{4}{25}=$

lesson nine - student resource sheet

Lesson Objective: List the factors of two whole numbers, each of which is less than 100, and identify their greatest common factor.

Vocabulary Box

greatest common factor (GCF) — the largest number that divides evenly into two or more numbers. Example: The **GCF** of 10 and 15 is 5.

Guided Practice

Directions: Complete each section with a partner.

I. List the factors of each number, then identify the GCF of the pair of numbers.

1. 12 and 16

   12:

   16:

   GCF: _____

2. 28 and 35

   28:

   35:

   GCF: _____

3. 15 and 30

   15:

   30:

   GCF: _____

II. Find the GCF for each pair of numbers.

1. 45 and 81 _____

2. 60 and 18 _____

3. 87 and 53 _____

4. 76 and 38 _____

Summary/Closure

A. Vocabulary Words
Write a sentence using the phrase *greatest common factor.*

B. Summarize What We Learned Today
A student identified the GCF of two numbers. Tell whether the solution is correct or incorrect. If it is incorrect, describe what is wrong and give the correct answer.

The GCF of 36 and 63 is 3.