

Name: Kov

Date: _____

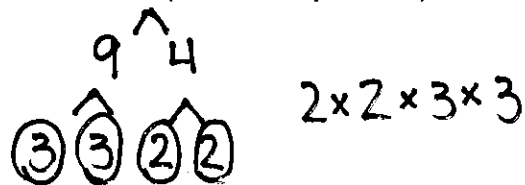
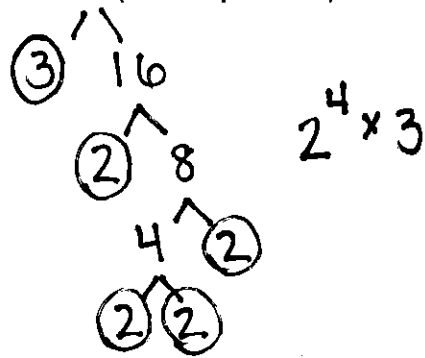
Quiz 5.1 – 5.6, 6.2-6.4 Review Guide!

Lesson 5.1: Complete 4 problems from this section.

- List ALL the factors of 48: 1, 2, 3, 4, 6, 8, 12, 16, 24, 48
- Name 4 multiples of 7: 7 14 21 28 35
- Tell whether the first number is a multiple of the second. Write Yes or No on the line.
 - 51; 3 Yes
 - 128; 4 Yes
 - 72; 5 No
- Tell whether each number is divisible by 2, 3, 4, 5, 6, 9, or 10. Circle all numbers that work.
 - 84 (2) (3) (4) 5 (6) 9 10
 - 138 (2) (3) 4 5 (6) 9 10
 - 5,106 (2) (3) 4 5 (6) 9 10
 - 17 2 3 4 5 6 9 10 NONE - prime
- Write a four (4) digit number which is divisible by 2 and 9 sample: 108
- Write a three (3) digit number which is divisible by 4 and 10 sample: 100

Lesson 5.2: Complete ALL PROBLEMS.

- A number is PRIME if it's ONLY factors are 1 and itself.
- Numbers with more than 2 factors are COMPOSITE.
- Tell whether each number is prime, composite, or neither:
 - 0 neither
 - 51 composite
 - 17 prime
 - 38,170 composite
 - 1 neither
 - 31 prime
- Write the prime factorization of each number. Use factor trees to help.
 - 48 (with exponents)
 - 36 (without exponents)

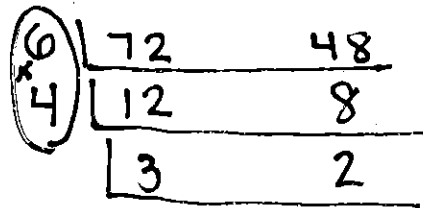


Methods to find GCF:

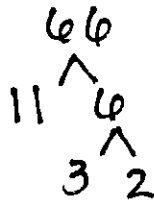
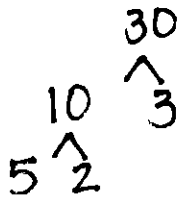
1. List the Factors
2. Prime Factorization
3. Division (ladder)

Lesson 5.3: Complete 2 problems.

1. Find the GCF of 72 and 48 using ANY method: 24



2. Find the GCF 30 and 66 using ANY method: 6



$$30: 2 \times 3 \times 5$$

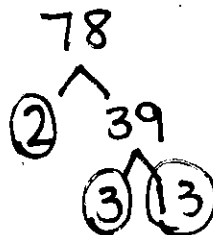
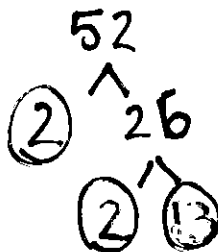
$$66: 2 \times 3 \times 11$$

3. Find the GCF of 25 and 100 ANY method: 25

$$25: 1, 5, 25$$

$$100: 1, 2, 4, 5, 10, 20, 25, 50, 100$$

4. Find the GCF of 52 and 78 ANY method: 26



$$52: 2 \times 2 \times 13$$

$$78: 2 \times 3 \times 13$$

Lesson 5.4: COMPLETE ALL.

1. Write a fraction in simplest form to represent each shaded part of the following drawing



a. $\frac{1}{4}$



b. $\frac{6}{9} = \frac{2}{3}$

Lesson 5.5: Complete ALL problems.

1. Write 2 fractions equivalent to $\frac{8}{12}$.

$$\frac{2}{3}$$

$$\frac{16}{24}$$

2. Write 2 fractions equivalent to $\frac{7}{12}$.

$$\frac{14}{24}$$

$$\frac{21}{36}$$

Lesson 5.6: Complete 2 Problems.

1. Simplify the following fraction using GCF $\frac{18}{27}$.

GCF: 9

Simplified: $\frac{2}{3}$

$$\begin{array}{r|l} 9 & 18 \quad 27 \\ \hline & 2 \quad 3 \end{array}$$

2. Simplify the following fraction using GCF $\frac{42}{56}$.

GCF: 14

Simplified: $\frac{3}{4}$

$$\begin{array}{r|l} 7 & 42 \quad 56 \\ \hline 2 & 6 \quad 8 \\ \hline & 3 \quad 4 \end{array}$$

3. Simplify the following fraction using GCF $\frac{4}{92}$.

GCF: 4

Simplified: $\frac{1}{23}$

$$\begin{array}{r|l} 2 & 4 \quad 92 \\ \hline 2 & 2 \quad 46 \\ \hline & 1 \quad 23 \end{array}$$

4. Simplify the following fraction using GCF $\frac{60}{84}$.

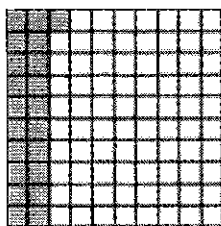
GCF: 12

Simplified: $\frac{5}{7}$

$$\begin{array}{r|l} 2 & 60 \quad 84 \\ \hline 6 & 30 \quad 42 \\ \hline & 5 \quad 7 \end{array}$$

Lesson 6.2 / 6.4: Complete # 1 and 3 parts of questions #2 and #3.

1. Write a decimal and a fraction in simplest form for the shaded portion;



Decimal: 0.21

Fraction: $\frac{21}{100}$

2. Write each decimal as a fraction or mixed number in simplest form:

- a. 0.51 $\frac{51}{100}$
- b. 2.1 $2\frac{1}{10}$
- c. 0.25 $\frac{1}{4}$
- d. 3.19 $3\frac{19}{100}$
- e. 0.375 $\frac{3}{8}$

Decimal to Fraction:

SAY IT & SIMPLIFY!

3. Convert each fraction or mixed number to a decimal.

- a. $\frac{18}{100}$ 0.18
- b. $8\frac{7}{10}$ 8.7
- c. $\frac{1}{5}$ 0.2
- d. $7\frac{2}{3}$ $7.\overline{6}$
- e. $\frac{57}{60}$ 0.95

Fraction to Decimal:

1. Say it
2. Equivalent Fractions
3. Divide (Just Do It!)

Lesson 6.3: Complete All Problems.

1. Write each improper fraction as a whole number or mixed number in simplest form.

- a. $\frac{15}{3}$ 5
- b. $\frac{27}{4}$ $6\frac{3}{4}$
- c. $\frac{105}{25}$ $4\frac{1}{5}$

Improper Fraction to Mixed Number:

Divide the numerator by the denominator.

2. Write each mixed number as an improper fraction.

- a. $4\frac{1}{6}$ $\frac{25}{6}$
- b. $1\frac{21}{22}$ $\frac{43}{22}$
- c. $5\frac{7}{11}$ $\frac{62}{11}$

Mixed Number to Improper Fraction:

$$2\frac{1}{6} = 6 \cdot 2 + 1 = \frac{13}{2}$$