المدرسة الوطنية الأرثوذكسية الشميساني
The National Orthodox School Shmaisani

The Primary Stage of Grades (4-5)
School Year 2022 – 2023
Second semester

Name: _____ **Subject: Math**
Date: / 2 / 202 3 **Class:** 4 CP (C, D, E, F & G)

Worksheet (3)

Objectives: Relate fractions to division.
Recognize simple fractions.
Complete fractions to make one whole.
Find equivalent fractions and write fractions in the simplest form.

1) Fractions can be represented in three different ways.

Complete to make the following statements true.

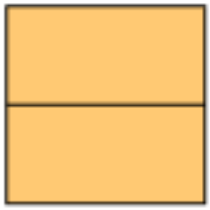
a) $6 \div 7 = \frac{\square}{\square} = \square$

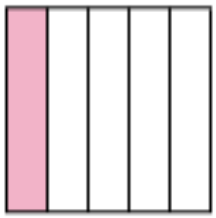
b) $\frac{9}{17} = \_\_\_\_ \div \_\_\_\_ = \square$

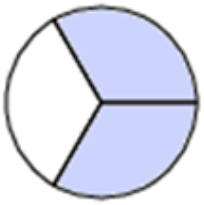
c) $\frac{\square}{\square} = \_\_\_\_ \div \_\_\_\_ = 5\overline{)8} = \square\frac{\square}{\square}$

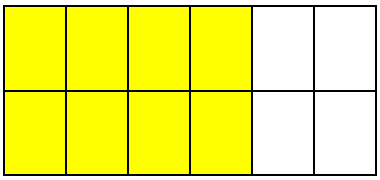
d) $11 \div 5 = \_\_\_\_ \div \_\_\_\_ = \square = \square\frac{\square}{\square}$

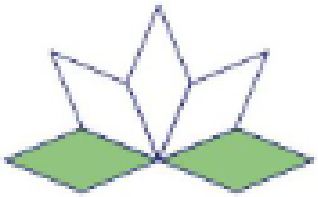
2) Write the shaded fractions below.

1) 

2) 

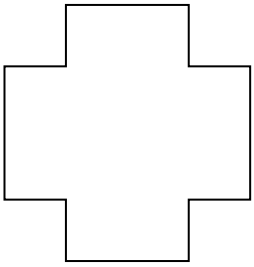
3) 

4) 

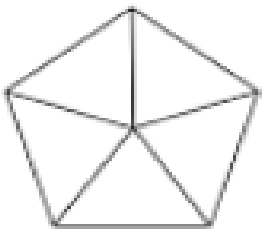
5) 

3) Write the fractions below and shade the shapes.

a) one half of the shape



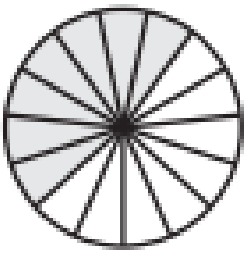
b) Three fifths of the shape



4) Find the fraction which makes one whole and shade.

a) $\frac{3}{8} + \frac{\square}{\square} = \frac{\square}{\square}$ = 1 Whole

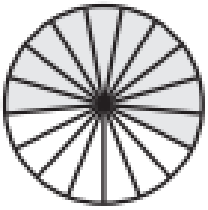
b) $\frac{\square}{\square} + \frac{7}{15} = \frac{\square}{\square}$ = 1 Whole



5) Complete to make the following statements true:

a) $\frac{4}{13} + \frac{\square}{\square} = \frac{13}{13}$ = _____

b) $\frac{\square}{\square} + \frac{10}{17} = \frac{\square}{\square}$ = _____



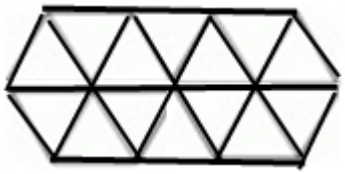
c) $\frac{5}{19} + \frac{7}{19} + \frac{\square}{19} = \frac{\square}{\square}$ = 1 Whole

d) $\frac{2}{15} + \frac{5}{15} + \frac{\square}{15} = \frac{\square}{\square}$ = 1 Whole

6) How many more parts do you need to shade to make one whole.

Write a mathematical sentence.

$\frac{\square}{\square} + \frac{\square}{\square} = \frac{\square}{\square}$ = 1 whole

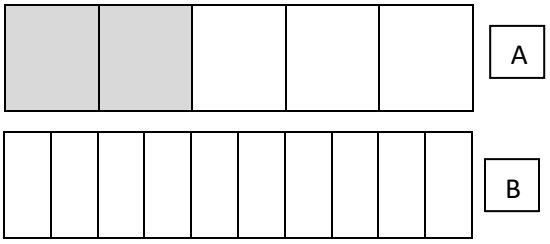


7) For the following Shapes:

a) Write the shaded fraction represented by (A)

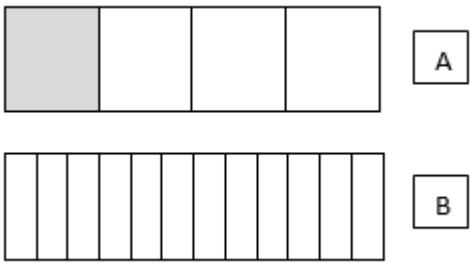
b) Shade its equivalent fraction in (B) and write it.

i)



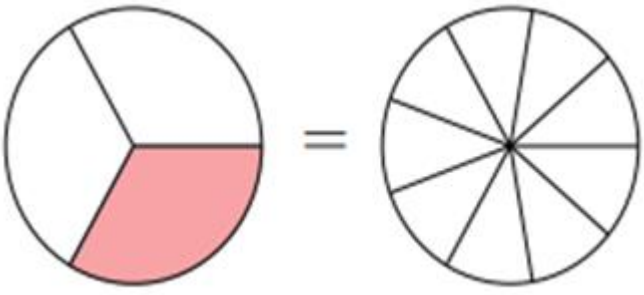
$\frac{\square}{\square} = \frac{\square}{\square}$

ii



$\frac{\square}{\square} = \frac{\square}{\square}$

iii)



$\frac{\square}{\square} = \frac{\square}{\square}$

8)Complete to make the following statements true.

To make equivalent fractions:

Multiply the Numerator and Denominator **BY SAME NUMBER (ANY number)**

OR

Simplify: **DIVIDE** Numerator and Denominator by same factor.

a) $\frac{3}{4} = \frac{\square}{100}$

b) $\frac{54}{72} = \frac{6}{\square}$

c) $\frac{18}{24} = \frac{\square}{8}$

d) $\frac{17}{25} = \frac{\square}{100}$

e) $\frac{24}{60} = \frac{\square}{\square} = \frac{2}{\square}$

f) $\frac{9}{20} = \frac{\square}{100}$

g) $\frac{\boxed{13}}{\boxed{26}} = \frac{\square}{\square}$

h) $\frac{\square}{\boxed{50}} = \frac{\boxed{1}}{\boxed{2}}$

Remember & memorize:

2x 50 =100 4x25 =100 5 x20 =100

9) Write the following fractions in the **simplest** form: Using one of the following statements to help you. (**Simplify means divide**)

(Both numbers are found in which multiplication table. OR
What same number they are both multiple of? Or What same number are they both factors of?)

a) $\frac{18}{100} = \frac{\square}{\square}$

b) $\frac{13}{26} = \frac{\square}{\square}$

c) $\frac{42}{63} = \frac{\square}{\square} = \frac{\square}{\square}$

d) $\frac{9}{27} = \frac{\square}{\square} = \frac{\square}{\square}$

e) $\frac{16}{20} = \frac{\square}{\square} = \frac{\square}{\square}$

f) $\frac{26}{50} = \frac{\square}{\square}$

g) $\frac{36}{48} = \frac{\square}{\square} = \frac{\square}{\square}$

h) $\frac{60}{100} = \frac{\square}{\square} = \frac{\square}{\square}$