FAMIGEL KNOWLEDGE STORES

Name_____ Class_____ Date_____

Fractions to Decimals

Convert each fraction to its decimal form.
If the decimal is a repeating decimal, make sure to include the vinculum in your answer.

$\frac{1}{2} =$ $\frac{1}{5} =$ $\frac{1}{4} =$

$\frac{2}{5} =$ $\frac{1}{3} =$ $\frac{4}{5} =$

$\frac{2}{3} =$ $\frac{9}{10} =$ $\frac{1}{8} =$

$\frac{5}{8} =$ $\frac{1}{9} =$

LIVEWORKSHEETS

FAMIGEL KNOWLEDGE STORES

Name_____ Class_____ Date_____

Equivalent Fractions

Learning Goal: to make equivalent fractions by multiplying or dividing by one whole.

Example:

One whole

$$\frac{10}{15} \div \frac{5}{5} = \frac{2}{3}$$

a) $\frac{2}{3} \times \frac{2}{2} = ___$

b) $\frac{6}{7} \times \frac{3}{3} = ___$

c) $\frac{4}{9} \times \frac{5}{5} = ___$

d) $\frac{3}{5} \times \frac{4}{4} = ___$

e) $\frac{6}{7} \times \frac{2}{2} = ___$

f) $\frac{14}{22} \div \frac{2}{2} = ___$

g) $\frac{12}{20} \div \frac{4}{4} = ___$

h) $\frac{21}{24} \div \frac{3}{3} = ___$

i) $\frac{24}{36} \div \frac{6}{6} = ___$

j) $\frac{15}{20} \div \frac{5}{5} = ___$

LIVEWORKSHEETS

FAMIGEL KNOWLEDGE STORES

Name_____ Class_____ Date_____

SUBTRACTING FRACTIONS

Solve each problem and simplify your answer to lowest terms.

1. $3\frac{1}{5} - \frac{2}{7} =$

2. $\frac{2}{4} - \frac{2}{8} =$

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

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

5. $\frac{6}{8} - \frac{5}{32} =$

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

LIVEWORKSHEETS

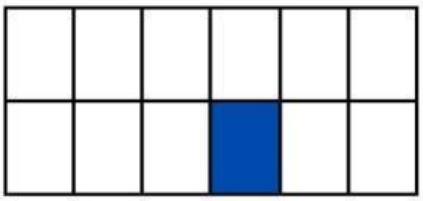
FAMIGEL KNOWLEDGE STORES

Name_____ Class_____ Date_____

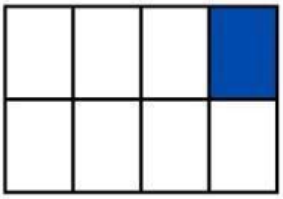
What Fraction Am I?

Match the illustration to the correct fraction.

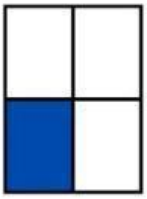
$\frac{1}{12}$



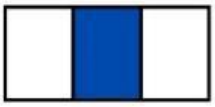
$\frac{1}{3}$



$\frac{1}{4}$



$\frac{1}{8}$



$\frac{1}{2}$

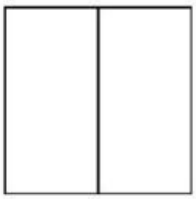
LIVEWORKSHEETS

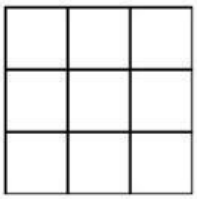
FAMIGEL KNOWLEDGE STORES

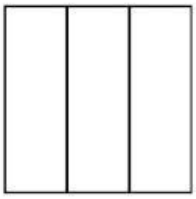
Name_____ Class_____ Date_____

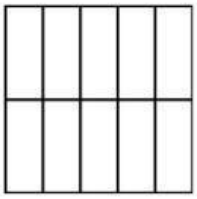
FRACTIONS

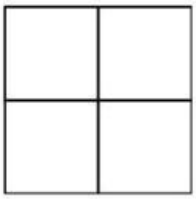
Shade the parts according to the fraction.

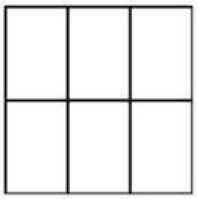
$\frac{1}{2}$ 

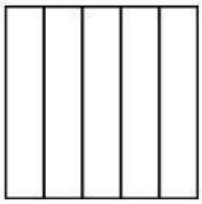
$\frac{3}{9}$ 

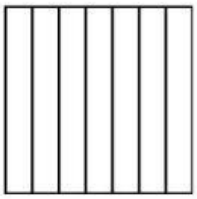
$\frac{2}{3}$ 

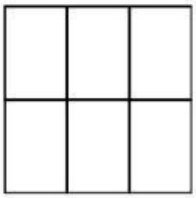
$\frac{5}{10}$ 

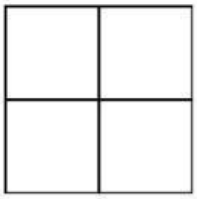
$\frac{3}{4}$ 

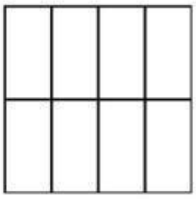
$\frac{5}{6}$ 

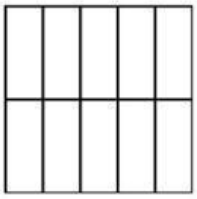
$\frac{1}{5}$ 

$\frac{4}{7}$ 

$\frac{3}{6}$ 

$\frac{2}{4}$ 

$\frac{5}{8}$ 

$\frac{3}{10}$ 

LIVEWORKSHEETS

FAMIGEL KNOWLEDGE STORES

Name_____ Class_____ Date_____

Adding Like Fractions

Example: When the denominator is the same, you can add the numerators to solve addition problems.

Numerator

Denominator

$$\frac{4}{10} + \frac{5}{10} = \frac{9}{10}$$

Solve and simply fractions to lowest terms.

1. $\frac{1}{9} + \frac{4}{9} =$ ___

2. $\frac{4}{12} + \frac{4}{12} =$ ___

3. $\frac{3}{7} + \frac{2}{7} =$ ___

4. $\frac{13}{50} + \frac{17}{50} =$ ___

5. $\frac{3}{36} + \frac{9}{36} =$ ___

6. $\frac{6}{15} + \frac{4}{15} =$ ___

7. $\frac{2}{6} + \frac{3}{6} =$ ___

8. $\frac{4}{42} + \frac{3}{42} =$ ___

9. $\frac{11}{17} + \frac{4}{17} =$ ___

10. $\frac{9}{21} + \frac{8}{21} =$ ___

LIVEWORKSHEETS

FAMIGEL KNOWLEDGE STORES

Name_____ Class_____ Date_____

DIVIDING FRACTIONS

Solve each problem and simplify your answer to lowest terms.

1. $3\frac{1}{5} \div \frac{2}{7} =$

2. $\frac{2}{4} \div \frac{2}{8} =$

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

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

5. $\frac{6}{8} \div \frac{2}{9} =$

6. $6\frac{1}{6} \div 3\frac{3}{4} =$

LIVEWORKSHEETS

FAMIGEL KNOWLEDGE STORES

Name_____ Class_____ Date_____

MULTIPLYING FRACTIONS

Solve each problem and simplify your answer to lowest terms.

1. $\frac{1}{7} \times 2\frac{6}{8} =$

2. $\frac{3}{7} \times \frac{2}{5} =$

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

4. $\frac{3}{9} \times 7\frac{1}{2} =$

5. $\frac{1}{6} \times \frac{6}{8} =$

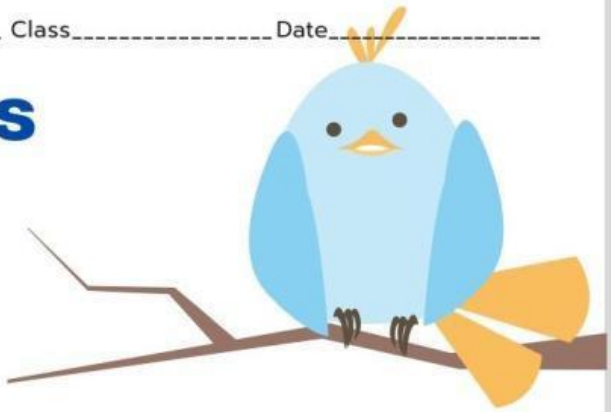
6. $2\frac{5}{8} \times 1\frac{3}{4} =$

LIVEWORKSHEETS

FAMIGEL KNOWLEDGE STORES

Name_____ Class_____ Date_____

Dividing Fractions

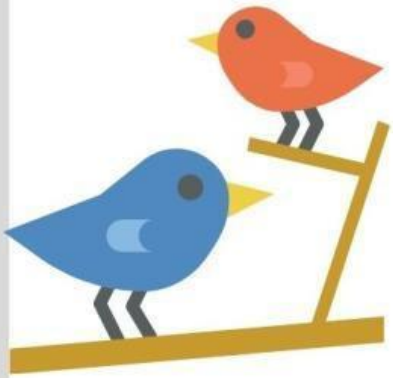


Divide each set of fractions.
Make sure to simplify your answer.

$\frac{1}{9} \div \frac{4}{12}$ $\frac{2}{16} \div \frac{8}{11}$ $\frac{3}{7} \div \frac{2}{10}$

$\frac{21}{5} \div \frac{8}{9}$ $\frac{5}{3} \div \frac{6}{8}$ $\frac{20}{1} \div \frac{4}{7}$

$\frac{7}{3} \div \frac{6}{15}$ $\frac{8}{1} \div \frac{4}{5}$ $\frac{9}{5} \div \frac{2}{18}$



$\frac{11}{5} \div \frac{4}{2}$ $\frac{12}{3} \div \frac{2}{1}$

LIVEWORKSHEETS

FAMIGEL KNOWLEDGE STORES

Name_____ Class_____ Date_____

Equivalent Fractions

Learning Goal: to make equivalent fractions by multiplying or dividing by one whole.

Example:

One whole

$$\frac{10}{15} \div \frac{5}{5} = \frac{2}{3}$$

a) $\frac{2}{3} \times \frac{2}{2} = ___$

b) $\frac{6}{7} \times \frac{3}{3} = ___$

c) $\frac{4}{9} \times \frac{5}{5} = ___$

d) $\frac{3}{5} \times \frac{4}{4} = ___$

e) $\frac{6}{7} \times \frac{2}{2} = ___$

f) $\frac{14}{22} \div \frac{2}{2} = ___$

g) $\frac{12}{20} \div \frac{4}{4} = ___$

h) $\frac{21}{24} \div \frac{3}{3} = ___$

i) $\frac{24}{36} \div \frac{6}{6} = ___$

j) $\frac{15}{20} \div \frac{5}{5} = ___$

LIVEWORKSHEETS

FAMIGEL KNOWLEDGE STORES

Name_____ Class_____ Date_____

EQUIVALENT FRACTIONS

Learning Goal: to make equivalent fractions by multiplying or dividing by one whole.

Example: $\frac{6}{8} \div \frac{2}{2} = \frac{3}{4}$

One whole

a) $\frac{3}{5} \times \frac{2}{2} =$ ____

b) $\frac{12}{14} \times \frac{2}{2} =$ ____

c) $\frac{2}{3} \times \frac{3}{3} =$ ____

d) $\frac{4}{5} \times \frac{4}{4} =$ ____

e) $\frac{6}{7} \times \frac{2}{2} =$ ____

f) $\frac{10}{12} \div \frac{2}{2} =$ ____

g) $\frac{12}{15} \div \frac{3}{3} =$ ____

h) $\frac{8}{16} \div \frac{4}{4} =$ ____

i) $\frac{25}{30} \div \frac{5}{5} =$ ____

j) $\frac{16}{20} \div \frac{2}{2} =$ ____

LIVEWORKSHEETS

FAMIGEL KNOWLEDGE STORES

Name_____ Class_____ Date_____

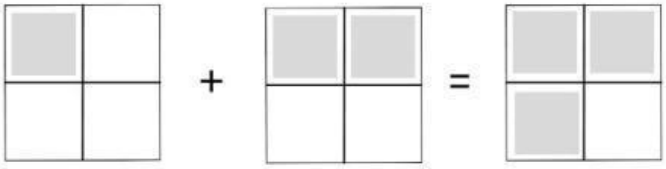
FRACTION ADDITION

Learning Intention: To add fractions with like denominators

HOT TIP

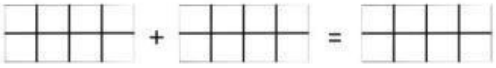
When adding fractions with the same denominator, only add the numerator

$$\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$$

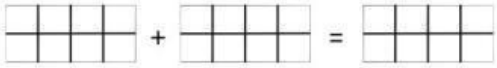


Instructions: Resolve the fraction additions and use the boxes to represent your working:

1. $\frac{2}{8} + \frac{5}{8} = __$



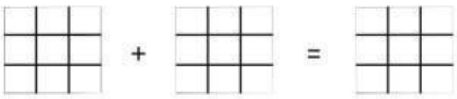
2. $\frac{4}{8} + \frac{3}{8} = __$



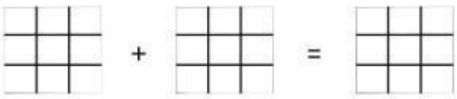
3. $__ + __ =$

4. $__ + __ = __$

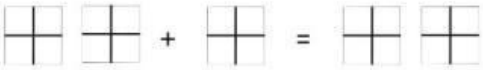
5. $\frac{3}{9} + \frac{5}{9} = __$



6. $\frac{1}{9} + \frac{2}{9} = __$



7. $1\frac{1}{4} + \frac{2}{4} = __$



8. $\frac{3}{4} + \frac{3}{4} = __$

LIVEWORKSHEETS

FAMIGEL
KNOWLEDGE STORES

Name_____ Class_____ Date_____

ORDERING FRACTIONS

Arrange the set of fractions. Write them in the boxes from greatest to least.

$\frac{2}{5}$ $\frac{1}{5}$ $\frac{4}{5}$ $\frac{3}{5}$ → → → →

$\frac{6}{8}$ $\frac{4}{8}$ $\frac{7}{8}$ $\frac{1}{8}$ → → → →

$\frac{4}{6}$ $\frac{1}{6}$ $\frac{2}{6}$ $\frac{5}{6}$ → → → →

$\frac{5}{9}$ $\frac{3}{9}$ $\frac{7}{9}$ $\frac{8}{9}$ → → → →

$\frac{3}{10}$ $\frac{5}{10}$ $\frac{8}{10}$ $\frac{1}{10}$ → → → →

Arrange the set of fractions. Write them in the boxes from least to greatest.

$\frac{1}{8}$ $\frac{1}{5}$ $\frac{1}{4}$ $\frac{1}{6}$ → → → →

$\frac{1}{5}$ $\frac{1}{2}$ $\frac{1}{3}$ $\frac{1}{4}$ → → → →

$\frac{1}{7}$ $\frac{1}{3}$ $\frac{1}{5}$ $\frac{1}{6}$ → → → →

$\frac{1}{6}$ $\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{5}$ → → → →

$\frac{1}{8}$ $\frac{1}{5}$ $\frac{1}{10}$ $\frac{1}{2}$ → → → →

LIVEWORKSHEETS

FAMIGEL KNOWLEDGE STORES

Name : Class :

Mixed Fraction

A mixed fraction, is a combination of a whole number and a proper fraction.

Whole Number → $3\frac{1}{2}$ ← Numerator, Denominator

Converting mixed fraction into an improper fraction :

Multiply the whole number by the denominator: 3 x 2 = 6

Add the result by the numerator: 6 + 1 = 7

$$3\frac{+1}{\times 2} = \frac{7}{2}$$

Convert the following mixed fractions into improper fractions!

$1\frac{1}{2} = \frac{\quad}{\quad}$

$4\frac{3}{4} = \frac{\quad}{\quad}$

$5\frac{2}{3} = \frac{\quad}{\quad}$

$9\frac{4}{5} = \frac{\quad}{\quad}$

$7\frac{1}{3} = \frac{\quad}{\quad}$

$4\frac{2}{7} = \frac{\quad}{\quad}$

LIVEWORKSHEETS

FAMIGEL KNOWLEDGE STORES

Name_____ Class_____ Date_____

FRACTIONS TO DECIMALS

Convert the fractions to a monetary value in decimal form. The first has been done for you. Remember to:

- Use correct money symbol
- Include two place values after the decimal

$6\frac{22}{100}$ = $6.22	$14\frac{2}{100}$ =	$\frac{12}{100}$ =
$22\frac{5}{10}$ =	$13\frac{65}{100}$ =	$1\frac{50}{100}$ =
$3\frac{4}{100}$ =	$9\frac{95}{100}$ =	$2\frac{40}{100}$ =
$\frac{33}{100}$ =	$1\frac{12}{100}$ =	$10\frac{25}{100}$ =
$100\frac{43}{100}$ =	$\frac{50}{100}$ =	$5\frac{3}{10}$ =
$8\frac{20}{100}$ =	$4\frac{30}{100}$ =	$15\frac{60}{100}$ =
$50\frac{5}{100}$ =	$\frac{2}{100}$ =	$2\frac{80}{100}$ =

LIVEWORKSHEETS