Name: _____

Part II - Fraction Word Problems. Write your answer in the simplest form.

7.) Mrs. Flanigan is baking cookies and cupcakes. The cookies recipe calls for $\frac{7}{8}$ cup of flour and the cupcake recipe calls for $\frac{3}{4}$ cup of flour. How much flour does Mrs. Flanigan need to buy?

$\frac{7}{8} + \frac{3}{4}$ LCD = 8

$\frac{7}{8} + \frac{6}{8} = \frac{13}{8} = 1\frac{5}{8}$ cups of flour

8.) Stephanie's binder is $2\frac{7}{8}$ inches wide. If Miranda's binder is $2\frac{1}{4}$ inches wide, how much wider is Stephanie's binder?

$2\frac{7}{8} - 2\frac{1}{4}$ LCD = 8

$\frac{23}{8} - \frac{9}{4}$

$\frac{23}{8} - \frac{18}{8} = \frac{5}{8}$ in. wider

9.) Olympian teachers need $4\frac{5}{6}$ yards of wrapping paper for a party. If we buy 5 yards of paper, how much paper will we have left over?

$5 - 4\frac{5}{6}$

$\frac{30}{6} - \frac{29}{6} = \frac{1}{6}$ yards left over

Name: Key

Fractions Review Sheet

Part I - Adding and Subtracting Fractions

Find each sum or difference. Show all work and make sure to convert your fractions to simplest form.

1.) $\frac{7}{10} - \frac{2}{10} =$ $\frac{5}{10} = \frac{1}{2}$

2.) $\frac{3}{10} + \frac{2}{5} =$ $7/10$ LCD=10

$\frac{3}{10} + \frac{4}{10} = \frac{7}{10}$

3.) $4\frac{5}{12} + 3\frac{1}{2} =$ $7\ 11/12$ LCD=12

$\frac{53}{12} + \frac{7}{2}$

$\frac{53}{12} + \frac{42}{12} = \frac{95}{12} = 7\frac{11}{12}$

4.) $8\frac{2}{5} - 1\frac{7}{10} =$ $6\ 7/10$ LCD=10

$\frac{42}{5} - \frac{17}{10}$

$\frac{84}{10} - \frac{17}{10} = \frac{67}{10} = 6\frac{7}{10}$

5.) $7 - 3\frac{1}{5} =$ $3\ 4/5$

$\frac{35}{5} - \frac{16}{5} = \frac{19}{5}$

$\frac{19}{5} = 3\frac{4}{5}$

6.) $15\frac{2}{3} + 22\frac{5}{6} =$ $38\ 1/2$ LCD=6

$\frac{47}{3} + \frac{137}{6}$

$\frac{94}{6} + \frac{137}{6} = \frac{231}{6}$ $38\frac{3}{6} =$

$38\frac{1}{2}$

Name: _____ #: _____

Adding and Subtracting Fractions with Uncommon Denominators

Use the LCD to add or subtract the following fractions. **Show all of your work** and use a separate sheet of paper if needed.

LCD = 55

$\frac{3}{11} - \frac{12}{55} =$ $\frac{15}{55}$ $\boxed{\frac{3}{55}}$

$\frac{8}{28} - \frac{2}{8} =$

$\frac{9}{27} - \frac{3}{9} =$ $\boxed{0}$

$\frac{7}{11} - \frac{5}{44} =$ $\frac{28}{44}$ $\boxed{\frac{23}{44}}$

$\frac{14}{21} - \frac{2}{42} =$ $\frac{28}{42}$ $\frac{26}{42} = \boxed{\frac{13}{21}}$

LCD = 20

$\frac{2}{4} + \frac{1}{5} + \frac{1}{2} =$ $\frac{10}{20} + \frac{4}{20} + \frac{10}{20}$ $\frac{24}{20} = 1\frac{4}{20} = \boxed{1\frac{1}{5}}$

$\frac{1}{2} + \frac{3}{5} + \frac{1}{3} =$ $\frac{15}{30} + \frac{18}{30} + \frac{10}{30} = \frac{43}{30}$ $\boxed{1\frac{13}{30}}$

$\frac{4}{10} + \frac{1}{5} + \frac{2}{3} =$

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

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

Word Problems:

Remember to SHOW ALL WORK AND INCLUDE UNITS!

Mrs. Flanigan used $1\frac{2}{3}$ cups of flour to make muffins and $4\frac{1}{2}$ cups to make bread. How much flour did Mrs. Flanigan need to make BOTH the muffins and the bread?

$\frac{5}{3} + \frac{9}{2}$ LCD = 6

$\frac{10}{6} + \frac{27}{6} = \frac{37}{6} = 6\frac{1}{6}$ cups flour

Kyle's backpack weighs $14\frac{7}{20}$ pounds. Olivia's backpack weighs $12\frac{1}{4}$ pounds.

a.) How much do the backpacks weigh all together?

$14\frac{7}{20} + 12\frac{1}{4}$ LCD = 20

$\frac{287}{20} + \frac{49}{4} =$

$\frac{287}{20} + \frac{245}{20} = \frac{532}{20} = 26\frac{12}{20} = 26\frac{3}{5}$ lbs

b.) How much more does Kyle's backpack weigh than Olivia's backpack?

$\frac{287}{20} - \frac{245}{20} = \frac{42}{20} = 2\frac{2}{20} = 2\frac{1}{10}$ lbs

Name: Key

FRACTIONS PRACTICE

Read every question carefully. Show all work for full credit! Write your final answer on your answer sheet.

Add or subtract. Be sure to watch the signs and be sure your answers are in simplest form!

LCD=10

$\frac{9}{10} - \frac{2}{5}$

$\frac{9}{10} - \frac{4}{10} = \frac{5}{10} = \boxed{\frac{1}{2}}$

LCD=33

$5\frac{9}{11} + 5\frac{1}{3}$

$\frac{64}{11} + \frac{16}{3}$

$\frac{192}{33} + \frac{176}{33} = \frac{368}{33} \quad \boxed{11\frac{5}{33}}$

LCD=3

$9 - \frac{1}{3}$

$\frac{27}{3} - \frac{1}{3} = \frac{26}{3} = \boxed{8\frac{2}{3}}$

LCD=12

$17\frac{1}{6} + 12\frac{1}{4}$

$\frac{103}{6} + \frac{49}{4}$

$\frac{206}{12} + \frac{147}{12} = \frac{353}{12} = \boxed{29\frac{5}{12}}$