DULONGBAYAN ELEMENTARY SCHOOL

Qtr 1 – Wk 2 – Activity Sheet #3

MATHEMATICS 6

Name:		**Grade & Section:**		**Date Submitted:**	

ADDING / SUBTRACTING MIXED NUMBERS

I. BACKGROUND INFORMATION

This activity sheet reinforces the skill in adding or subtracing mixed dissimilar fractions.

A. Add/subtract the whole numbers and also add/subtract the fractional part.
Example: 1 3/5 + 2 1/5

$1\frac{3}{5} + 2\frac{1}{5} \longrightarrow (1+2) + \left(\frac{3}{5}+\frac{1}{5}\right)$

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

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

B. There are cases that the fractional parts cannot be subtracted. **Regrouping** means you need to borrow one from a whole number to make the fraction of the minuend larger than the fraction of the subtrahend.
Example: 4 1/5 − 2 3/5

$4\frac{1}{5} \rightarrow 3\frac{6}{5}$ Borrow 1 from 4 and change to fraction 1 = $\frac{5}{5}$ then add to $\frac{1}{5}$

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

$1\frac{3}{5}$ Subtract the whole numbers then subtract the fractions

II. LEARNING COMPETENCY

- Adds and subtracts mixed fractions

III. REFERENCES

SLM pp. 6-7 | 21st Century Mathletes pp. 2-13

IV. DIRECTIONS

Learning Task #6: **Add or subtract the following fractions. Fill-in the empty boxes to complete the solution leading to the final answer. Remember to always simplify your answer to lowest terms.**

GIVEN	SOLUTION	FINAL ANSWER
1) $5\frac{4}{7}+\frac{2}{9}=$	$\square + \left(\frac{\square}{\square}+\frac{\square}{9}\right) = \square + \left(\frac{\square+\square}{63}\right) = \square\frac{\square}{\square}$	$\square\frac{\square}{\square}$
2) $\frac{5}{6}+2\frac{1}{2}=$	$\square + \left(\frac{\square}{6}+\frac{\square}{2}\right) = \square + \left(\frac{\square+\square}{\square}\right) = \square\frac{\square}{\square}$	$\square\frac{\square}{\square}$
3) $1\frac{2}{6}+\frac{5}{12}+1\frac{1}{4}=$	$\left(1+\square\right) + \left(\frac{\square}{\square}+\frac{\square}{12}+\frac{\square}{\square}\right) = \square\left(\frac{\square+\square+\square}{\square}\right) = \square\frac{\square}{\square}$	$\square\frac{\square}{\square}$
4) $3\frac{3}{4}-1\frac{2}{5}$	$\left(\square-1\right) + \left(\frac{\square}{\square}-\frac{\square}{5}\right) = \square + \left(\frac{\square-\square}{\square}\right) = \square\frac{\square}{\square}$	$\square\frac{\square}{\square}$
5) $2\frac{3}{9}-1\frac{2}{3}$ Regrouping $1\frac{\square}{9}-1\frac{\square}{3}$	$\left(\square-1\right) + \left(\frac{\square}{\square}-\frac{\square}{3}\right) = \square + \left(\frac{\square-\square}{\square}\right) = \square\frac{\square}{\square}$	$\square\frac{\square}{\square}$

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