WEEKLY MATH HOMEWORK

December 15 – 19

I ♥ Winter Break!

Due WEDNESDAY: "Add & Subtract Mixed Numbers" (2 pgs!)

Due THURSDAY: "Subtraction with Renaming" (2 pgs!)

Quiz on Thursday over unit fractions and adding/subtracting fractions with like denominators!****

My timed test on FRIDAY is on the _____ facts!

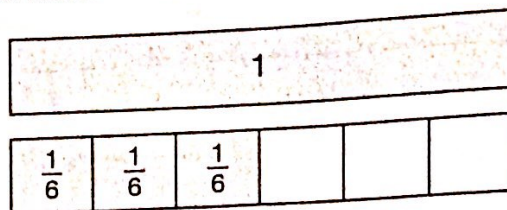(Last chance to make it to the 2nd Quarter Pizza Party on Jan. 14th!)

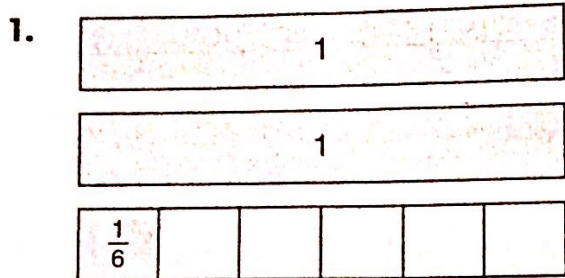Class website: http://mrsbucksmathclass.weebly.com
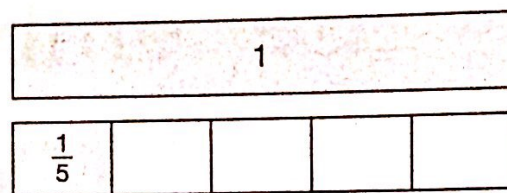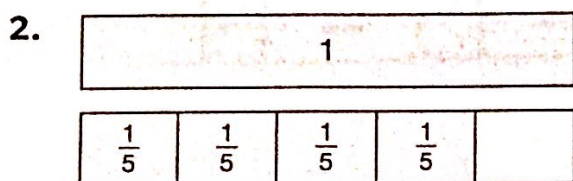
Name _____

Parent Signature _____

Adding & Subtracting Mixed Numbers (due wednesday!)

Use the models to find the sum of the mixed numbers.

1.

$2\frac{1}{6} + 1\frac{3}{6} = $ _____

2.

$1\frac{4}{5} + 1\frac{1}{5} = $ _____

Fill in the box to write each mixed number as an improper fraction. Then add or subtract. Rename the answer as a whole number or a mixed number.

3. $1\frac{1}{4} + 3\frac{1}{4}$

$1\frac{1}{4} = \frac{4}{4} + \frac{1}{4} = \frac{\square}{4}$

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

The sum is _____.

4. $5\frac{2}{8} - 3\frac{4}{8}$

$5\frac{2}{8} = \frac{8}{8} + \frac{8}{8} + \frac{8}{8} + \frac{8}{8} + \frac{8}{8} + \frac{2}{8} = \frac{\square}{8}$

$3\frac{4}{8} = \frac{8}{8} + \frac{8}{8} + \frac{8}{8} + \frac{4}{8} = \frac{\square}{8}$

The difference is _____.

5. $2\frac{1}{6} + 3\frac{5}{6}$

$2\frac{1}{6} = \frac{6}{6} + \frac{6}{6} + \frac{1}{6} = \frac{\square}{6}$

$3\frac{5}{6} = \frac{6}{6} + \frac{6}{6} + \frac{6}{6} + \frac{5}{6} = \frac{\square}{6}$

The sum is _____.

6. $4\frac{5}{10} - 2\frac{4}{10}$

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

$2\frac{4}{10} = \frac{10}{10} + \frac{10}{10} + \frac{4}{10} = \frac{\square}{10}$

The difference is _____.

> **REMEMBER** If the numerator and the denominator are the same number, the fraction is equal to 1.

Adding & Subtracting Mixed Numbers
(due Wednesday!)

Add or subtract. Check your answer.

7. $1\frac{4}{6} + 2\frac{1}{6} =$ _____

8. $\frac{3}{10} + 4\frac{6}{10} =$ _____

9. $2\frac{2}{3} + 5\frac{2}{3} =$ _____

10. $7\frac{2}{5} - 6\frac{1}{5} =$ _____

11. $9\frac{2}{8} - 5\frac{4}{8} =$ _____

12. $4\frac{1}{2} - \frac{1}{12} =$ _____

Complete each sentence.

13. $4\frac{3}{5} + 3\frac{1}{5} = 7\frac{4}{5}$ is the opposite of $7\frac{4}{5} -$ _____ $=$ _____.

> **REMEMBER** Addition and subtraction are inverse, or opposite, operations.

14. $5\frac{3}{4} - 2\frac{1}{4} = 3\frac{2}{4}$ is the opposite of $3\frac{2}{4} +$ _____ $=$ _____.

Choose the best answer.

15. What is the sum of $1\frac{2}{3}$ and $2\frac{2}{3}$?

   A. $3\frac{1}{3}$

   B. $3\frac{2}{3}$

   C. $4\frac{1}{3}$

   D. $4\frac{2}{3}$

16. Which subtraction sentence can be used to check that $3\frac{1}{8} + 4\frac{5}{8} = 7\frac{6}{8}$?

   A. $7\frac{6}{8} - 4\frac{5}{8} = 3\frac{1}{8}$

   B. $7\frac{6}{8} - 4\frac{1}{8} = 3\frac{5}{8}$

   C. $7\frac{6}{8} - 3\frac{5}{8} = 3\frac{1}{8}$

   D. $7\frac{6}{8} - 3\frac{6}{8} = 4$

Solve.

17. On Monday, $1\frac{1}{4}$ inches of snow fell. On Tuesday, $1\frac{2}{4}$ inches of snow fell. How much snow fell in all?

_____

18. **REASON** Nyla says that $1\frac{2}{6} + 2\frac{5}{6} = 3\frac{1}{6}$. Is she correct? Explain your reasoning.

_____

_____

Subtraction with Renaming

✳ Circled problems only! ✳

Find the difference.

1. $5\frac{1}{3} \longrightarrow 4\frac{4}{3}$
   $-3\frac{2}{3} \longrightarrow 3\frac{2}{3}$
   $\overline{ 1\frac{2}{3}}$

2. 6
   $-3\frac{2}{5}$

3.) $5\frac{1}{4}$
   $-2\frac{3}{4}$

4. $9\frac{3}{8}$
   $-8\frac{7}{8}$

5. $12\frac{3}{10}$
   $-7\frac{7}{10}$

6.) $8\frac{1}{6}$
   $-3\frac{5}{6}$

7. $7\frac{3}{5}$
   $-4\frac{4}{5}$

8. $10\frac{1}{2}$
   $-8\frac{1}{2}$

9. $7\frac{1}{6}$
   $-2\frac{5}{6}$

10. $9\frac{3}{12}$
   $-4\frac{7}{12}$

11.) $9\frac{1}{10}$
   $-8\frac{7}{10}$

12. $9\frac{1}{3}$
   $-\frac{2}{3}$

13. $3\frac{1}{4}$
   $-1\frac{3}{4}$

14. $4\frac{5}{8}$
   $-1\frac{7}{8}$

15. $5\frac{1}{12}$
   $-3\frac{8}{12}$

16.) 7
   $-1\frac{3}{5}$

Problem Solving REAL WORLD

17.) Alicia buys a 5-pound bag of rocks for a fish tank. She uses $1\frac{1}{8}$ pounds for a small fish bowl. How much is left?

18.) Xavier made 25 pounds of roasted almonds for a fair. He has $3\frac{1}{2}$ pounds left at the end of the fair. How many pounds of roasted almonds did he sell at the fair?

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✳ DUE THURSDAY! ✳

PARCC
TEST
PREP

Lesson Check ▸ MCC4.NF.3c

1. Reggie is making a double-layer cake. The recipe for the first layer calls for $2\frac{1}{4}$ cups sugar. The recipe for the second layer calls for $1\frac{1}{4}$ cups sugar. Reggie has 5 cups of sugar. How much will he have left after making both recipes?

Ⓐ $1\frac{1}{4}$ cups   Ⓒ $2\frac{1}{4}$ cups

Ⓑ $1\frac{2}{4}$ cups   Ⓓ $2\frac{2}{4}$ cups

2. Kate has $4\frac{3}{8}$ yards of fabric and needs $2\frac{7}{8}$ yards to make a skirt. How much extra fabric will she have left after making the skirt?

Ⓐ $2\frac{4}{8}$ yards   Ⓒ $1\frac{4}{8}$ yards

Ⓑ $2\frac{2}{8}$ yards   Ⓓ $1\frac{2}{8}$ yards

Keeping Skills Sharp ▸ MCC4.OA.4, MCC4.NBT.5, MCC4.NBT.6, MCC4.NF.3c

3. Paulo has 128 glass beads to use to decorate picture frames. He wants to use the same number of beads on each frame. If he decorates 8 picture frames, how many beads will he put on each frame?

Ⓐ 6

Ⓑ 7

Ⓒ 14

Ⓓ 16

4. Madison is making party favors. She wants to make enough favors so each guest gets the same number of favors. She knows there will be 6 or 8 guests at the party. What is the least number of party favors Madison should make?

Ⓐ 18

Ⓑ 24

Ⓒ 30

Ⓓ 32

5. A shuttle bus makes 4 round-trips between two shopping centers each day. The bus holds 24 people. If the bus is full on each one-way trip, how many passengers are carried by the bus each day?

Ⓐ 96

Ⓑ 162

Ⓒ 182

Ⓓ 192

6. To make a fruit salad, Marvin mixes $1\frac{3}{4}$ cups of diced peaches with $2\frac{1}{4}$ cups of diced pears. How many cups of peaches and pears are in the fruit salad?

Ⓐ 4 cups

Ⓑ $3\frac{2}{4}$ cups

Ⓒ $3\frac{1}{4}$ cups

Ⓓ 3 cups

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