Name _____

5th Grade Modified Math Remote Learning Packet

Week 18

Dear Educator,

My signature is proof that I have reviewed my scholar's work and supported him to the best of my ability to complete all assignments.

_____ _____

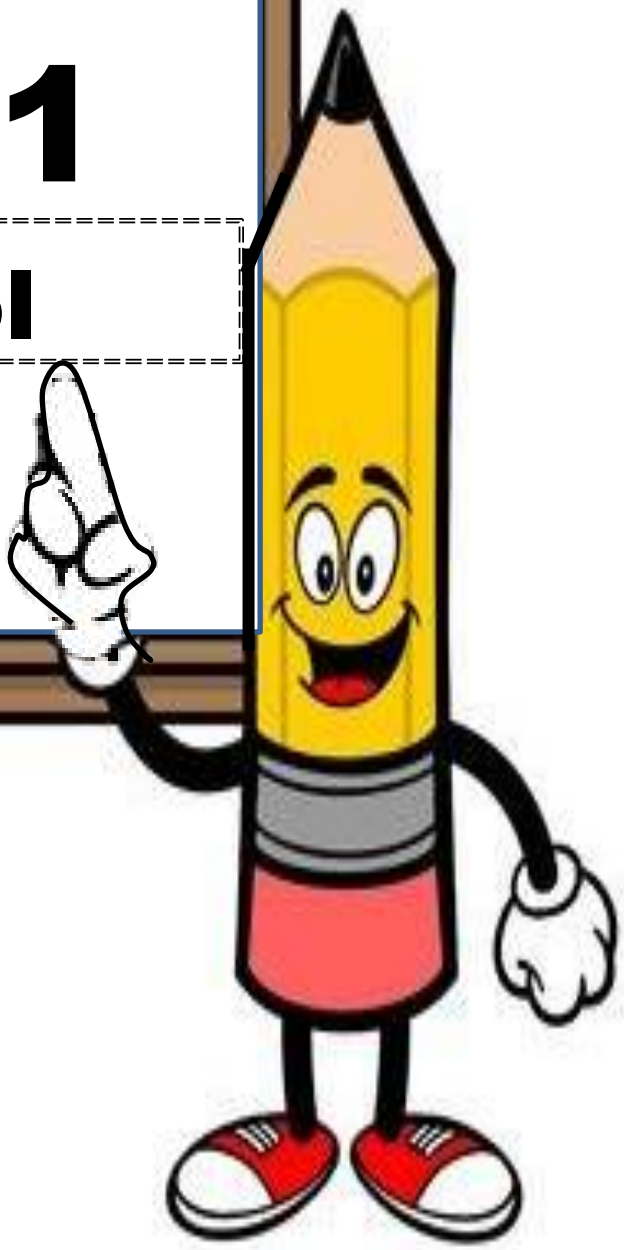
(Parent Signature) (Date)

Parents please note that all academic packets are also available on our website at www.brighterchoice.org under the heading "Remote Learning." All academic packet assignments are mandatory and must be completed by all scholars.

Brighter Choice
Charter School for Boys

Day # 1

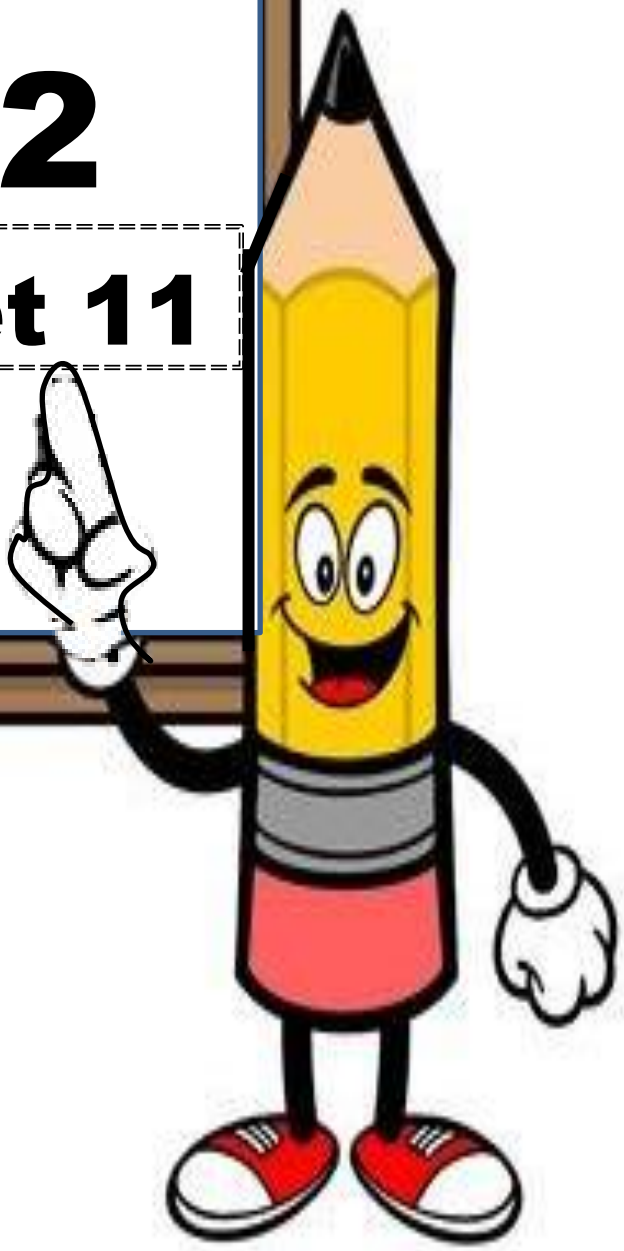
No School



Brighter Choice
Charter School for Boys

Day # 2

Mod 3 Packet 11



Name:_____ Week 18 Day 2 Date:_____

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Do Now

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

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

Input Activity:

Problem 1

Adding fractions with whole numbers.

Model:

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

1. Change the mixed number to an improper fraction and whole number to a fraction over itself.
2. Find LCM if fractions have different denominators.
3. Add wholes first, then fractions next.
4. Simplify whenever necessary.

Problem 2

Adding mixed numbers with whole numbers

$$\mathbf{2\frac{3}{10} + 3}$$

Problem 3

Adding mixed numbers

$$\mathbf{1\frac{1}{2} + 2\frac{2}{3}}$$

Problem 4

Adding fractions

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

Problem 5

Adding fractions with whole numbers

$$\mathbf{3 + 1\frac{2}{3}}$$

Problem 6

Adding mixed numbers

$$\mathbf{\frac{3}{4} + 1\frac{1}{10}}$$

Problem Set:

Add.

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

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

$$4 + 1\frac{3}{8}$$

$$\frac{5}{6} + 1\frac{1}{4}$$

Application Problem

Jackie brought $1\frac{3}{4}$ gallons of iced tea to the party. Bill brought $\frac{7}{8}$ of a gallon of iced tea to the same party. How much iced tea did Jackie and Bill bring to the party?

Answer: _____

Exit Ticket

Add.

$5 + 1\frac{7}{8}$

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

$\frac{3}{8} + 4\frac{1}{2}$

$4 + 2\frac{4}{5}$

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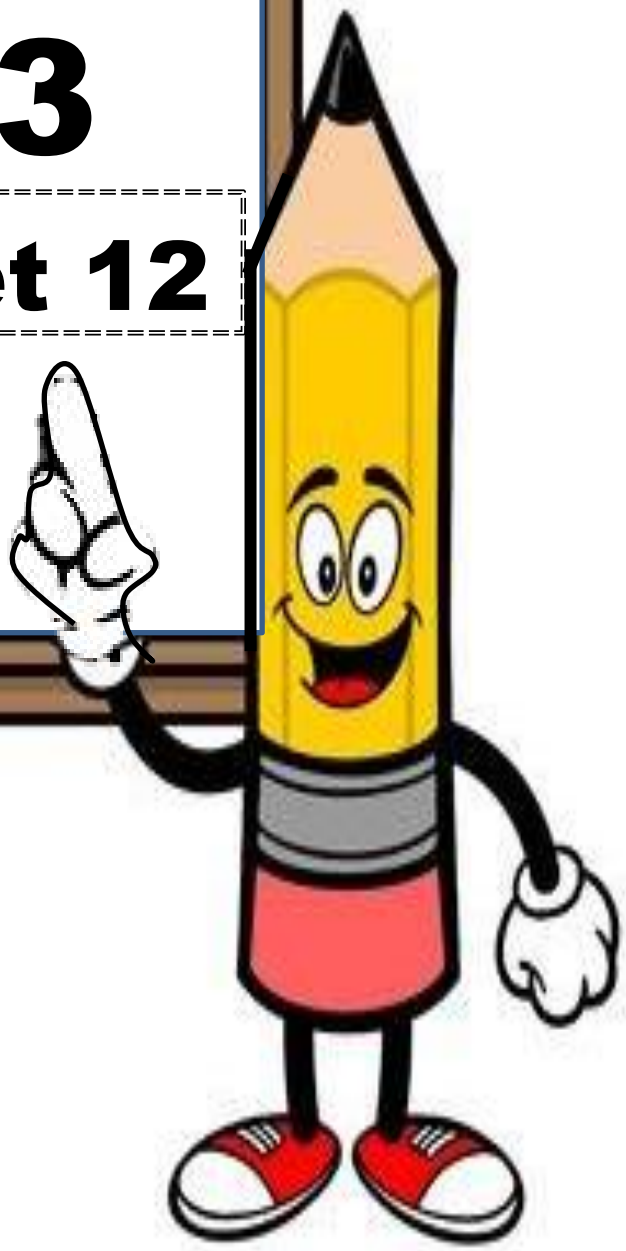
Day # 3

Mod 3 Packet 12



Name:_____ Week 18 Day 3 Date:_____

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Do Now

$$2\frac{3}{10} + \frac{2}{5}$$

$$1 + \frac{8}{9}$$

Input Activity:

Problem 1

Subtracting fractions with mixed numbers.

Model:

$$\mathbf{2 - \frac{1}{2}}$$

1. If you have a whole number greater than 1, take one whole and change that to a fraction over itself with the whole number next to it.

2. Change the mixed number to an improper fraction.

3. Subtract the numerators and write your answer over the original denominator.

4. Simplify whenever necessary.

Problem 2

Subtracting fractions with mixed numbers.

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

Problem 3

Subtracting fractions with mixed numbers.

$$\mathbf{3 - 1\frac{2}{3}}$$

Problem 4

Subtracting fractions with mixed numbers.

$$\mathbf{2 - 1\frac{3}{8}}$$

Problem 5

Subtracting fractions with mixed numbers.

$$\mathbf{4 - 2\frac{2}{7}}$$

Problem 6

Subtracting fractions with mixed numbers.

$$7 - 5\frac{2}{3}$$

Problem 7

Subtracting fractions with mixed numbers.

$$1 - \frac{1}{10}$$

Problem Set:

Subtract

$2 - \frac{1}{5}$

$6 - \frac{5}{8}$

$4 - 1\frac{3}{8}$

$2 - 1\frac{1}{4}$

Application Problem:

The total length of two ribbons is 10 meters. If one ribbon is $7\frac{5}{8}$ meters long, what is the length of the other ribbon?

Answer: _____meters long

Exit Ticket

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

$4 - 2\frac{3}{7}$

$7 - 2\frac{1}{3}$

$4 - 1\frac{4}{5}$

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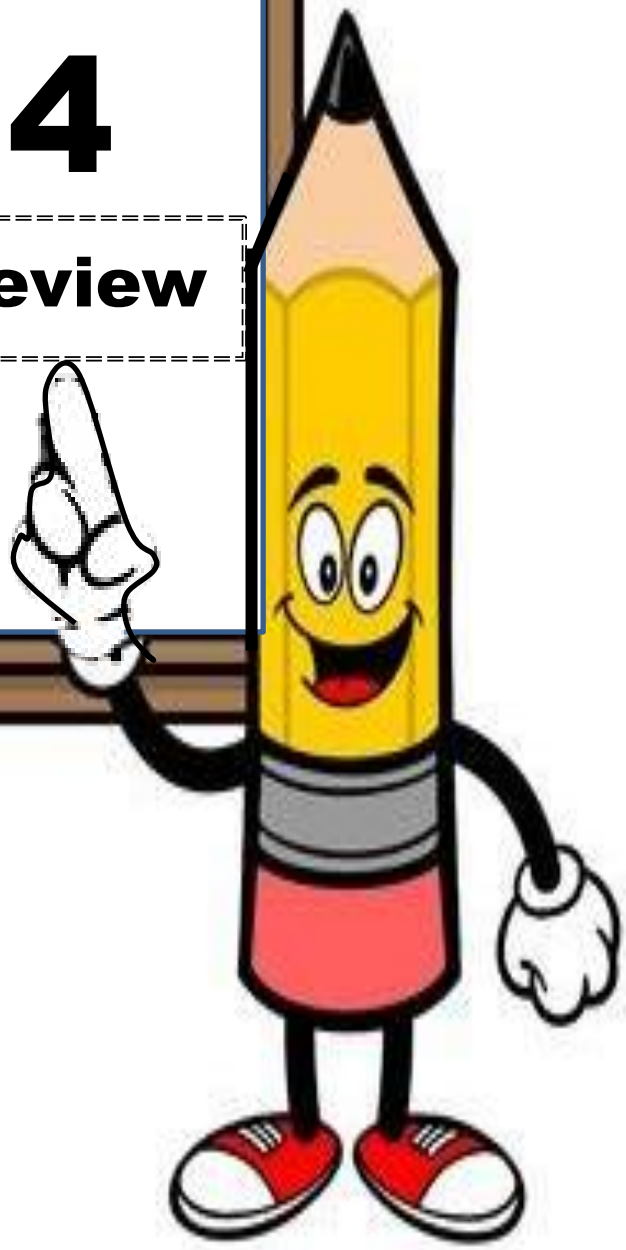
Day # 4

Mod 3 Mid-Mod Review



Name:_____ Week 18 Day 4 Date:_____

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Do Now

Find the number that makes and equivalent fraction.

$$\frac{3}{8} = \frac{\quad}{64}$$

$$\frac{4}{7} = \frac{16}{\quad}$$

$$\frac{1}{5} = \frac{\quad}{45}$$

$$\frac{2}{9} = \frac{14}{\quad}$$

Module 3 Mid-Module Review

Find the LCM:

15 and 5

5: _____, _____

15: _____, _____, _____, _____

LCM: _____

Find the LCM:

2 and 18

2: _____, _____

18: _____, _____, _____, _____

LCM: _____

Reduce the fractions to the simplest form:

$\frac{10}{15}$ $\frac{9}{18}$ $\frac{14}{30}$

Change the improper fractions and mixed numbers.

$\frac{21}{2}$	$7\frac{1}{2}$	$\frac{41}{4}$	$2\frac{4}{7}$

Add or subtract each fraction with unlike denominators.
Reduce whenever necessary.

$\frac{2}{3}+\frac{5}{9}$	$\frac{7}{8}-\frac{1}{2}$	$\frac{7}{10}+\frac{1}{10}$
$1-\frac{8}{9}$	$2\frac{7}{8}+\frac{1}{6}$	$5\frac{5}{6}+\frac{1}{4}$

Tiffany, Linda and Mary bought cherries at the grocery store. Tiffany bought $\frac{2}{5}$ kg of cherries. Linda and Mary each bought the same amount of cherries. They each bought $\frac{1}{10}$ kg of cherries. How many kilograms of cherries did they buy altogether?

Answer: _____kg

Mr. Palmer is creating a spice mixture for his secret recipe.

- $\frac{2}{5}$ of the spice mixture was oregano
- $\frac{1}{3}$ of the spice mixture was basil

The rest of the mixture was chili powder. What fraction of the total amount of the spice mixture was chili powder?

Answer: _____of the spice mixture

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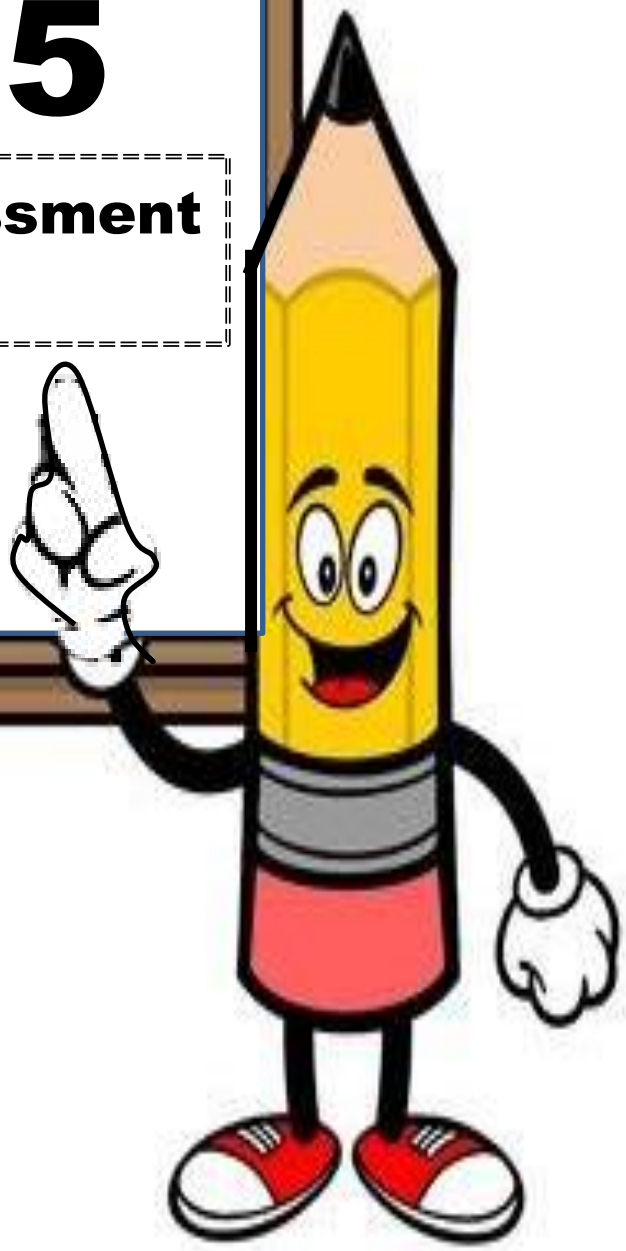
Day # 5

Mod 3 Mid-Mod Assessment



Name:_____ Week 18 Day 5 Date:_____

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Module 3 Mid-Module Assessment

Directions: Make sure to show *all* your work and complete each part. Good luck! ☺

Part 1: Multiple Choice

_____ 1. Add the fractions. Simplify when necessary. (5.NF.1)

$$\frac{5}{5}+\frac{2}{5}$$

A. $\frac{7}{1}$

B. $1\frac{2}{5}$

C. $1\frac{3}{5}$

D. $\frac{3}{5}$

_____ 2. Subtract the fractions. Simplify when necessary. (5.NF.1)

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

A. $\frac{2}{0}$

B. $\frac{12}{4}$

C. 3

D. $\frac{1}{2}$

_____ 3. Change the improper fraction to a mixed number. (5.NF.1)

$$\frac{15}{4}$$

A. $3\frac{3}{4}$

B. $4\frac{1}{4}$

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

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

_____ 4. Change the mixed number to an improper fraction. (5.NF.1)

$$2\frac{3}{10}$$

A. $\frac{36}{10}$

B. $\frac{23}{10}$

C. $\frac{60}{10}$

D. $\frac{15}{10}$

_____ 5. Find the LCM of the following numbers. (5.NF.1)

2 and 10

A. 1

B. 2

C. 10

D. 20

_____ 6. Reduce the following fraction to its simplest form. (5.NF.1)

$$\frac{\mathbf{2}}{\mathbf{8}}$$

A. $\frac{2}{8}$

B. $\frac{1}{8}$

C. $\frac{2}{4}$

D. $\frac{1}{4}$

Use LCM to add or subtract the fractions from questions 7-8. Reduce whenever necessary. (5.NF.1)

_____7.

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

A. $\frac{3}{4}$

B. $\frac{2}{6}$

C. $\frac{2}{4}$

D. $\frac{1}{4}$

_____8.

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

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

B. $\frac{2}{15}$

C. $\frac{1}{15}$

D. $1\frac{7}{15}$

_____9. **Subtract. Reduce whenever necessary.** (5.NF.1)

$$\mathbf{1 - \frac{3}{8}}$$

A. $1\frac{3}{8}$

B. $\frac{3}{8}$

C. $\frac{5}{8}$

D. $\frac{1}{8}$

_____ 10. **What value can replace the question mark to make the statement true?** (5.NF.1)

$$\frac{3}{5} = \frac{?}{10}$$

A. 2

B. 4

C. 6

D. 8

Part 2 – Short Answer: Use C-U-B-E-S to solve the following questions. Show all of your work.

11. Lila collected the honey from three of her beehives. From the first hive she collected $\frac{2}{3}$ gallons of honey. She collected $\frac{1}{3}$ gallons of honey from the second hive and $\frac{1}{4}$ gallons of honey from the last hive. How many gallons of honey did Lila collect in all? (5.NF.2)

Answer: _____ gallons

12. Each student in a class plays one of three sports: soccer, football or basketball. (5.NF.2)

- $\frac{3}{5}$ of the number of students plays basketball

- $\frac{1}{4}$ of the number of students plays football

What fraction of the total students plays soccer?

Answer: _____

Name _____

5th Grade Modified Math Remote Learning Packet

Week 19

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My signature is proof that I have reviewed my scholar's work and supported him to the best of my ability to complete all assignments.

_____ _____

(Parent Signature) (Date)

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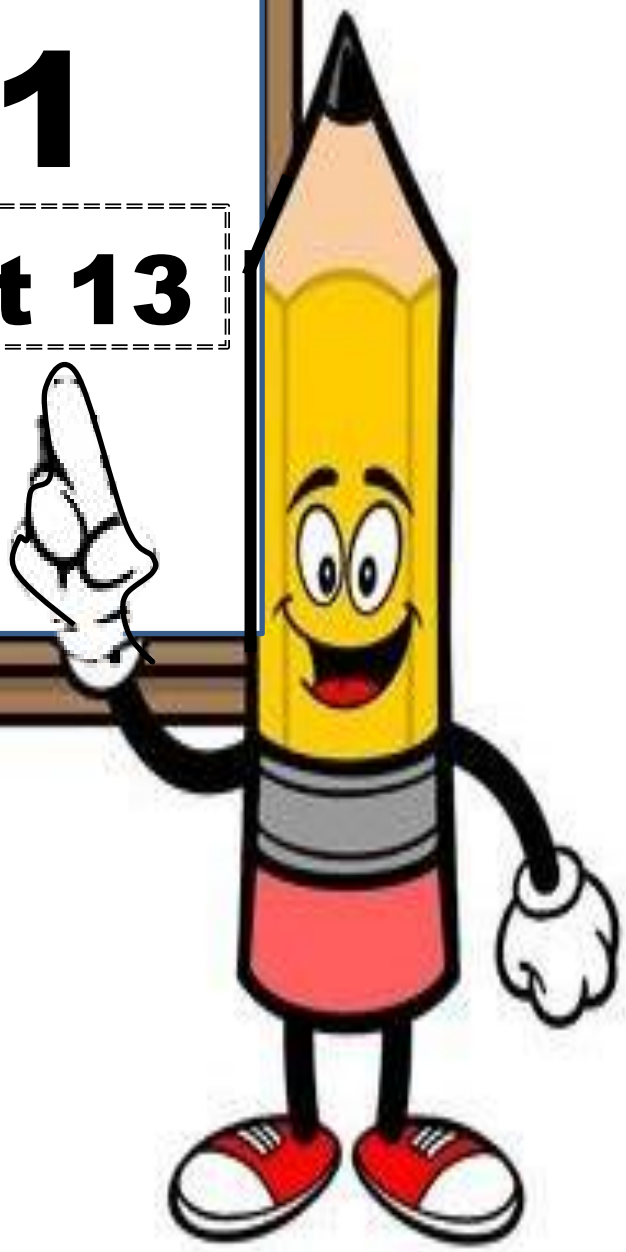
Charter School for Boys

Day # 1

Mod 3 Packet 13



Name:_____ Week 19 Day 1 Date:_____

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Do Now

$$\mathbf{10 - 5\frac{3}{8}}$$

$$\mathbf{8\frac{3}{4} - 1\frac{2}{3}}$$

Input Activity:

Problem 1

Adding mixed numbers.

Model:

$\boldsymbol{Steps}$:	$\mathbf{2\frac{1}{5} + 1\frac{1}{2}}$	$\mathbf{3\frac{4}{5} + 1\frac{1}{4}}$
1. Change the mixed numbers to improper fractions.		
2. Find LCM if fractions have different denominators.		
3. Find equivalent fractions using the LCM.		
4. Add the new numerators, move over the denominators.		
5. Simplify whenever necessary		

Problem 2

Adding mixed numbers.

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

Problem 3

Adding mixed numbers.

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

Problem 4

Adding mixed numbers.

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

Problem 5

Adding mixed numbers.

$$3\frac{5}{7} + 6\frac{2}{3}$$

<u>Problem Set:</u>

Add the mixed numbers

$$\mathbf{1\frac{1}{4} + 1\frac{1}{5}}$$

$$\mathbf{2\frac{3}{4} + 1\frac{2}{5}}$$

Application Problem:

To make punch for the class party, Mrs. Lewis mixed $1\frac{2}{3}$ cup cranberry juice and $1\frac{3}{4}$ cup lemon-lime soda. Mixed together, how many cups of punch does the recipe make?

Answer: _____cups of punch

Exit Ticket

Adding mixed numbers

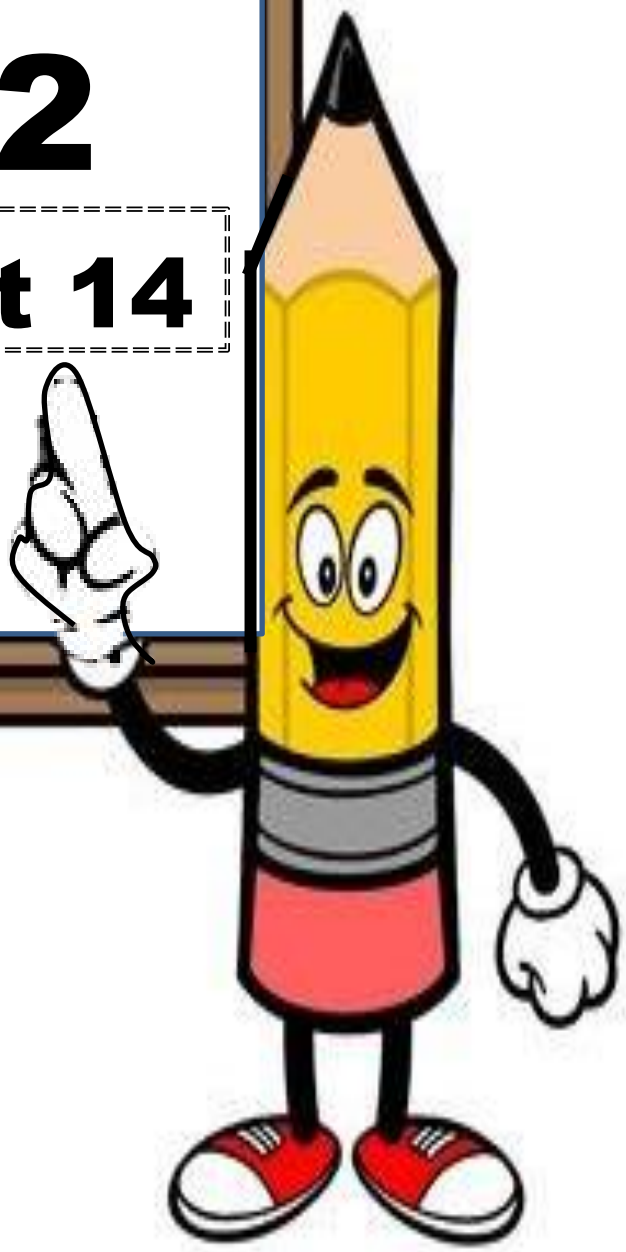
$3\frac{1}{2} + 1\frac{1}{3}$

$1\frac{1}{5} + 3\frac{5}{8}$

Brighter Choice
Charter School for Boys

Day # 2

Mod 3 Packet 14



Name:_____ Week 19 Day 2 Date:_____

BCCS-Boys Stanford MIT

Do Now

$$5\frac{2}{3} + 2\frac{2}{7}$$

$$7\frac{3}{10} - 2\frac{1}{4}$$

Input Activity:

Problem 1

$4\frac{1}{2}$ yards of cloth are needed to make a woman's dress. You will need $2\frac{2}{7}$ yards of cloth to make a girl's dress. How much more cloth is needed to make a woman's dress than a girl's dress?

C

U

B

E

S

Answer Statement_____

_____

Problem 2

Angela practiced piano for $2\frac{1}{3}$ hours on Saturday, and $3\frac{2}{3}$ hours on Sunday. How much time did Angela practice piano during the weekend?

C

U

B

E

S

Answer Statement_____

_____

Problem 3

Tank A has a capacity of $9\frac{1}{2}$ gallons. $6\frac{1}{3}$ gallons of the tank's water are poured out. How many gallons of water are left in the tank?

C

U

B

E

S

Answer Statement_____

_____

Problem 4

Michael has $1\frac{1}{4}$ liter of orange juice. He drinks $\frac{1}{3}$ liter. How much orange juice does he have left?

C

U

B

E

S

Answer Statement_____

_____

Problem 5

Pencil A is $3\frac{5}{6}$ meters long. Pencil B is $2\frac{1}{4}$ meters long. What's the total length of both pencils?

C

U

B

E

S

Answer Statement_____

_____

Problem Set

Erin jogged $2\frac{1}{4}$ on miles Monday and on Tuesday she jogged $2\frac{2}{3}$ miles. How far did Erin jog altogether?

C

U

B

E

S

Answer Statement_____

_____

Exit Ticket:

Jeremiah used $3\frac{1}{2}$ kg of sand to make a large hourglass. To make a smaller hourglass, he only used $1\frac{3}{7}$ kg of sand. How much more sand did it take to make the large hourglass than the smaller one?

C

U

B

E

S

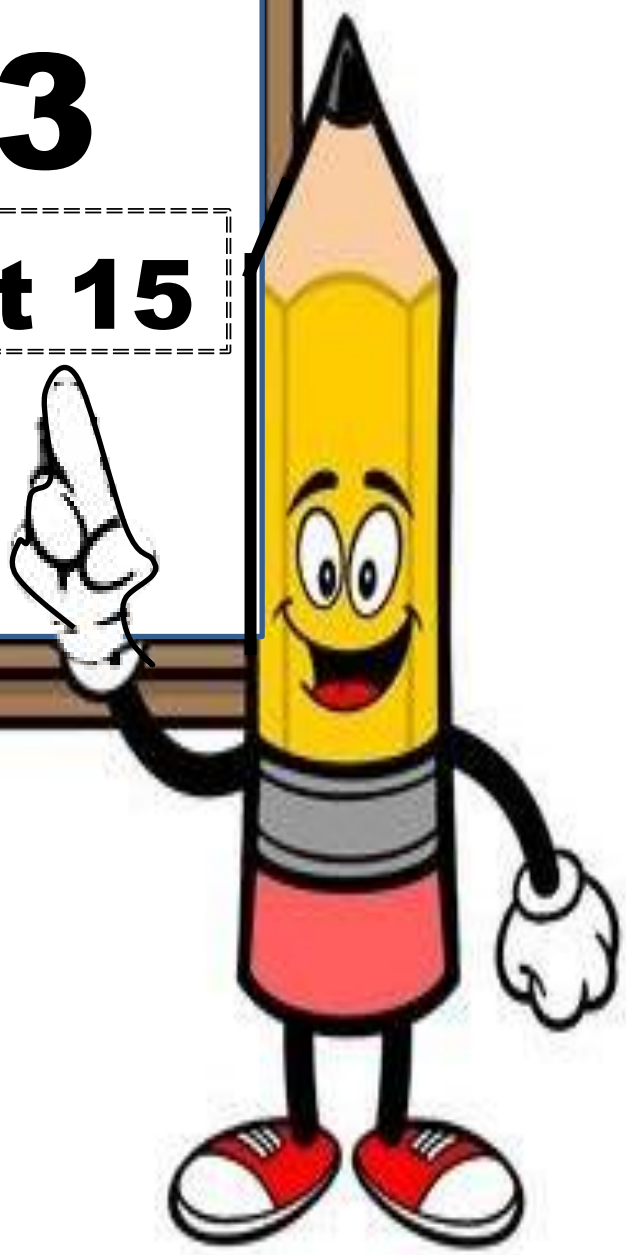
Answer Statement_____

_____

Brighter Choice
Charter School for Boys

Day # 3

Mod 3 Packet 15



Name:_____ Week 19 Day 3 Date:_____

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Do Now

A baker followed a recipe. She used $1\frac{1}{6}$ cups of flour and she used $2\frac{2}{3}$ cups of sugar. How many cups of both ingredients did she use in all?

C

U

B

E

S

Answer Statement_____

_____

Input Activity:

Problem 1

Subtracting mixed numbers.

Model:

$\boldsymbol{Steps}$:	$\mathbf{1\frac{1}{5} - \frac{1}{2}}$
1. Change the mixed numbers to improper fractions.	
2. Find LCM if fractions have different denominators.	
3. Find equivalent fractions using the LCM.	
4. Subtract the new numerators, move over the denominators.	
5. Simplify whenever necessary.	

Problem 2

$$1\frac{3}{4} - \frac{6}{7}$$

Problem 3

$$3\frac{1}{4} - 2\frac{1}{2}$$

Problem 4

$$4\frac{1}{2} - 3\frac{2}{3}$$

Problem 5

$$2\frac{1}{2} - 1\frac{3}{4}$$

Problem Set

$$3\frac{1}{2} - 2\frac{1}{3}$$

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

Application Problem:

A carpenter has $5\frac{1}{2}$ feet of wooden plank. He cuts off $2\frac{1}{4}$ feet to replace the slat of a deck. He uses the rest to fix the stairs. How many feet of wood does the carpenter use to fix the stairs?

Answer: _____feet

Exit Ticket:

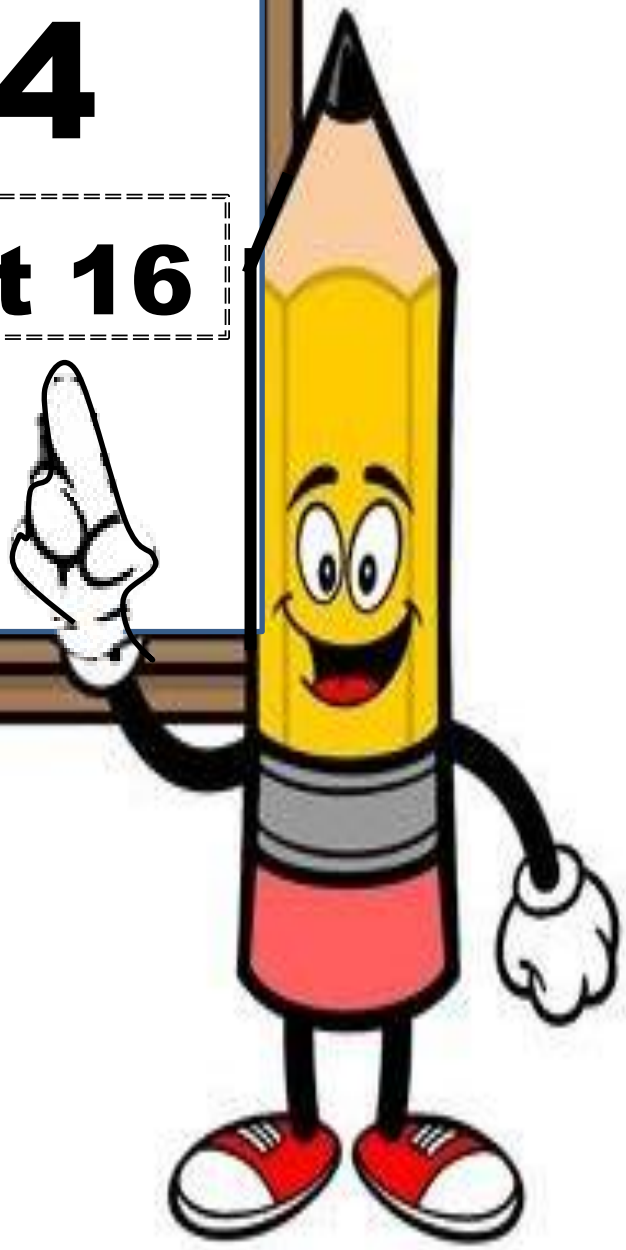
$$\mathbf{4\frac{1}{2} - 1\frac{1}{3}}$$

$$\mathbf{2\frac{3}{4} - \frac{5}{6}}$$

Brighter Choice
Charter School for Boys

Day # 4

Mod 3 Packet 16



Name:_____ Week 19 Day 4 Date:_____

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Do Now

During lunch, Charlie drinks $2\frac{3}{4}$ cups of milk. Allison drinks $\frac{3}{8}$ cup of milk. Carmen drinks $1\frac{1}{16}$ cups of milk. How much milk do the 3 students drink?

C

U

B

E

S

Answer Statement _____

_____

Input Activity:

Problem 1

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

Problem 2

$$5\frac{7}{8}-\frac{1}{2}-\frac{7}{8}$$

Problem 3

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

Problem 4

$$1\frac{3}{4}-\frac{1}{4}+\frac{1}{6}$$

Problem 5

$$2\frac{3}{8}+\frac{2}{8}+\frac{1}{6}$$

Problem 6

$$\frac{7}{9}-\frac{1}{3}-\frac{2}{9}$$

Problem Set:

$\mathbf{2\frac{3}{5} + \frac{3}{4} + \frac{2}{5}}$

$\mathbf{4\frac{3}{7} - 2\frac{1}{4} - \frac{3}{7}}$

Application Problem:

Volunteers helped clean up $8\frac{1}{4}$ kg of trash in one neighborhood and $11\frac{1}{2}$ kg in another. They sent $1\frac{1}{4}$ kg to be recycled and threw the rest away. <u>How many kilograms of trash did they throw away?</u>

Answer: _____

Exit Ticket

$$\frac{2}{9}+\frac{4}{3}+\frac{1}{9}$$

$$\frac{4}{10}-\frac{1}{5}-\frac{1}{10}$$

Brighter Choice
Charter School for Boys

Day # 5

No School