FACEing MATH® Name: _____

Lesson 10: Fraction Concepts with Mixed Numbers

Solve problems in the boxes showing your work.

Directions: ***Solve each problem. Choose the correct answer.***

1. Find the sum.

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

(a) If your answer is $5\frac{4}{7}$ draw the following eyes & head.

(b) If your answer is $6\frac{1}{10}$ draw the following eyes & head.

2. Find the sum.

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

(a) If your answer is $6\frac{2}{15}$ draw the following eyebrows.

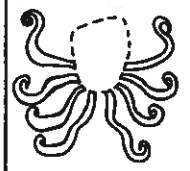
(b) If your answer is $5\frac{5}{8}$ draw the following eyebrows.

3. Find the difference.

$8 \& 2\frac{3}{7}$

(a) If your answer is $6\frac{3}{7}$ draw the following arms.

(b) If your answer is $5\frac{4}{7}$ draw the following arms.



4. Find the difference.

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

(a) If your answer is $\frac{5}{6}$ draw the following nose & mouth.

(b) If your answer is $1\frac{1}{3}$ draw the following nose & mouth.

5. Find the product.

$\frac{7}{8} \& 1\frac{1}{3}$

(a) If your answer is $1\frac{7}{24}$ draw the following speech bubble.

(b) If your answer is $1\frac{1}{6}$ draw the following speech bubble.

6. Find the product.

$1\frac{1}{8} \& 2\frac{2}{5}$

(a) If your answer is $2\frac{1}{20}$ draw the following hat.

(b) If your answer is $2\frac{7}{10}$ draw the following hat.

7. Find the quotient.

$3\frac{3}{5} \& 1\frac{1}{5}$

(a) If your answer is 3 draw the following hook in one of the arms.

(b) If your answer is $3\frac{3}{25}$ draw the following map in one of the arms.

8. Find the quotient.

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

(a) If your answer is $1\frac{3}{5}$ draw a solid, striped background.

(b) If your answer is $1\frac{3}{10}$ draw a wavy, striped background.

9. Find the quotient.

$4 \& 2\frac{2}{3}$

(a) If your answer is $2\frac{2}{3}$ write the vocabulary word in the box.	**Product**
(b) If your answer is $1\frac{1}{2}$ write the vocabulary word in the box.	**Quotient**

Directions: ***Solve each problem and COLOR the object that corresponds with your answer.***

10. Brandon rode $1\frac{3}{4}$ miles to school and $2\frac{3}{5}$ miles to the library. How many total miles did Brandon ride?

(a) If your answer is $4\frac{7}{20}$ color the head & arms purple.

(b) If your answer is $3\frac{3}{20}$ color the head & arms pink.

11. Mike mowed $3\frac{1}{4}$ lawns & Allen mowed $2\frac{5}{6}$ lawns. How many more lawns did Allen mow?

(a) If your answer is $1\frac{7}{12}$ color the eyes brown.

(b) If your answer is $5/12$ color the eyes blue.

12. The recipe calls for $2\frac{1}{3}$ cups chocolate chips. If you want to triple the recipe, how many cups of chocolate chips will you need?

(a) If your answer is 7 color the mouth pink.

(b) If your answer is $6\frac{1}{3}$ color the mouth red.

13. Jackie babysat $10\frac{1}{2}$ hours over a 3 day period. If she babysat the same amount each day, how many hours did she babysit each day?

(a) If your answer is $3\frac{1}{2}$ color the object in the hand grey.

(b) If your answer is $3\frac{2}{3}$ color the object in the hand green.

14. 12 acres of land have been split up into 2/3 acre plots. How many plots of land are there?

(a) If your answer is 8 color the hat red and outline the objects on the hat in blue.

(b) If your answer is 18 color the hat grey and outline the objects on the hat in black.

15. Daniel ate 1/3 of the leftover pizza. If there were $2\frac{1}{2}$ pizzas left, how much of the pizza did Daniel eat?

(a) If your answer is $2\frac{1}{6}$ outline the eyebrows and nose in brown.

(b) If your answer is $5/6$ outline the eyebrows and nose in black.

16. Lucy drank $8\frac{1}{2}$ cups of water and Bella drank $5\frac{3}{8}$ cups of water. How much did they drink altogether?

(a) If your answer is $13\frac{7}{8}$ color the stripes blue and white..

(b) If your answer is $13\frac{1}{4}$ color the stripes black and white.

17. Sara practiced her flute $3\frac{1}{4}$ hours. Javier practiced his drums $2\frac{3}{5}$ hours. How much longer did Sara practice?

(a) If your answer is $1\frac{7}{20}$ **hr**, outline the speech bubble & the words in it in black.

(b) If your answer is $13/20$ **hr**, outline the speech bubble & the words in it in red.

18. Jake made a $12\frac{1}{2}$ ft sub sandwich. If he shares his sandwich with 14 friends, how much will they each get? (Don't forget about Jake)

(a) If your answer is $5/6$ outline the vocabulary word in red.

(b) If your answer is $25/28$ outline the vocabulary word in blue.

Artistic Tip: **When you are done coloring, it looks nice to outline the major features using a black crayon or marker.**

Facing Math Vocabulary…