

Name _____

All pages due on Thursday!



Unit 3 Assessment

► Vocabulary

Vocabulary	
mixed number	_____
simplest form	_____
unit fraction	_____

✦ Choose the best term from the box.

1. A number represented by a whole number and a fraction is a _____ . (p. 273)

2. A fraction that always has a numerator of 1 is a _____ . (p. 273)

► Check Concepts

✦ Write the fraction as a sum of unit fractions. MCC4.NF.3b

3. $\frac{4}{5} =$ _____

4. $\frac{5}{10} =$ _____

✦ Write the mixed number as a fraction. MCC4.NF.3b

5. $1\frac{3}{8} =$ _____

6. $4\frac{2}{3} =$ _____

7. $2\frac{3}{5} =$ _____

✦ Write the fraction as a mixed number. MCC4.NF.3b

8. $\frac{12}{10} =$ _____

9. $\frac{10}{3} =$ _____

10. $\frac{15}{6} =$ _____

✦ Find the sum or difference. MCC4.NF.3c

11. $2\frac{3}{8} + 1\frac{6}{8} =$ _____

12. $\frac{9}{12} - \frac{2}{12} =$ _____

13. $5\frac{7}{10} - 4\frac{5}{10} =$ _____

14. $4\frac{1}{6} - 2\frac{5}{6} =$ _____

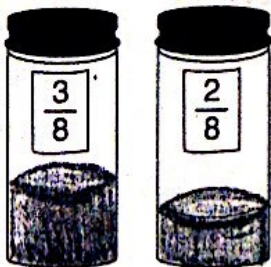
15. $3\frac{2}{5} - 1\frac{4}{5} =$ _____

16. $\frac{4}{12} + \frac{6}{12} =$ _____

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Fill in the bubble completely to show your answer.

20. Eddie cut $2\frac{2}{4}$ feet of balsa wood for the length of a kite. He cut $\frac{3}{4}$ foot for the width of the kite. How much longer is the length of the kite than the width? **MCC4.NF.3c**
- (A) $1\frac{1}{4}$ feet
 (B) $1\frac{3}{4}$ feet
 (C) 2 feet
 (D) $3\frac{1}{4}$ feet
21. On a trip to the art museum, Lily rode the subway for $\frac{7}{10}$ mile and walked for $\frac{3}{10}$ mile. How much farther did she ride on the subway than walk? **MCC4.NF.3d**
- (A) $\frac{3}{10}$ mile
 (B) $\frac{4}{10}$ mile
 (C) $\frac{7}{10}$ mile
 (D) 1 mile
22. Pablo is training for a marathon. He ran $5\frac{4}{8}$ miles on Friday, $6\frac{5}{8}$ miles on Saturday, and $7\frac{4}{8}$ miles on Sunday. How many miles did he run on all three days? **MCC4.NF.3c**
- (A) $1\frac{5}{8}$ miles
 (B) $12\frac{1}{8}$ miles
 (C) $19\frac{4}{8}$ miles
 (D) $19\frac{5}{8}$ miles
23. Cindy has two jars of paint.



Which fraction below represents how much paint Cindy has?

MCC4.NF.3d

- (A) $\frac{1}{8}$
 (B) $\frac{4}{8}$
 (C) $\frac{5}{8}$
 (D) $\frac{7}{8}$

24. Cole grew $2\frac{3}{4}$ inches last year. Kelly grew the same amount. Which fraction below represents the number of inches that Kelly grew last year? MCC4.NF.3b

- (A) $\frac{3}{4}$
- (B) $\frac{5}{4}$
- (C) $\frac{11}{4}$
- (D) $\frac{14}{4}$

25. Olivia's dog is 4 years old. Her cat is $1\frac{1}{2}$ years younger. How old is Olivia's cat? MCC4.NF.3c

- (A) $5\frac{1}{2}$ years old
- (B) $3\frac{1}{2}$ years old
- (C) $2\frac{1}{2}$ years old
- (D) $1\frac{1}{2}$ years old

26. Lisa mixed $4\frac{4}{6}$ cups of orange juice with $3\frac{1}{6}$ cups of milk to make a health shake. She drank $3\frac{3}{6}$ cups of the health shake. How much of the health shake did Lisa not drink? MCC4.NF.3c

- (A) $\frac{2}{6}$ cups
- (B) $4\frac{2}{6}$ cups
- (C) $7\frac{5}{6}$ cups
- (D) $11\frac{2}{6}$ cups

27. Keiko entered a contest to design a new school flag. Five twelfths of her flag has stars and $\frac{3}{12}$ has stripes. What fraction of Keiko's flag has stars and stripes? MCC4.NF.3d

- (A) $\frac{8}{12}$
- (B) $\frac{8}{24}$
- (C) $\frac{2}{12}$
- (D) $\frac{2}{24}$



Unit 4 Assessment

Vocabulary

Choose the best term from the box.

Vocabulary
fraction
multiple
product

1. A _____ can name part of a whole or part of a group. (p. 300)

2. A _____ of a number is the product of the number and a counting number. (p. 300)

Concepts and Skills

List the next four multiples of the unit fraction. MCC4.NF.4a

3. $\frac{1}{8}$, _____, _____, _____, _____

4. $\frac{1}{4}$, _____, _____, _____, _____

Write the fraction as a product of a whole number and a unit fraction. MCC4.NF.4a

5. $\frac{7}{12} =$ _____

6. $\frac{4}{12} =$ _____

7. $\frac{5}{4} =$ _____

List the next four multiples of the fraction. MCC4.NF.4a

8. $\frac{3}{10}$, _____, _____, _____, _____

9. $\frac{2}{3}$, _____, _____, _____, _____

Write the product as the product of a whole number and a unit fraction. MCC4.NF.4b

10. $3 \times \frac{2}{4} =$ _____

11. $2 \times \frac{3}{5} =$ _____

12. $4 \times \frac{2}{3} =$ _____

Multiply. MCC4.NF.4b


13. $5 \times \frac{7}{10} =$ _____

14. $4 \times \frac{3}{4} =$ _____

15. $3 \times \frac{8}{12} =$ _____

Fill in the bubble completely to show your answer.


X Bryson has soccer practice for $2\frac{1}{4}$ hours 2 times a week. How much time does Bryson spend at soccer practice in 1 week?

 MCCA.NF.4C


- (A) 2 hours
- (B) 4 hours
- (C) $4\frac{2}{4}$ hours
- (D) $8\frac{2}{4}$ hours

Challenge Problem!


due Thur

20. Nigel cut a loaf of bread into 12 equal slices. His family ate some of the bread and now $\frac{5}{12}$ is left. Nigel wants to put each of the leftover slices in its own bag. How many bags does Nigel need?  MCCA.NF.4A

- (A) 5
- (B) 7
- (C) 12
- (D) 17

21. Micala made a list of some multiples of $\frac{3}{5}$. Which could be Micala's list?  MCCA.NF.4B

- (A) $\frac{3}{5}, \frac{9}{5}, \frac{12}{5}, \frac{19}{5}$
- (B) $\frac{3}{5}, \frac{6}{10}, \frac{9}{15}, \frac{12}{20}$
- (C) $\frac{1}{5}, \frac{3}{5}, \frac{6}{5}, \frac{9}{5}$
- (D) $\frac{3}{5}, \frac{6}{5}, \frac{9}{5}, \frac{12}{5}$

X Lincoln spent $1\frac{1}{4}$ hours reading a book. Phoebe spent 3 times as much time as Lincoln reading a book. How much time did Phoebe spend reading?  MCCA.NF.4C

- (A) $1\frac{1}{16}$ hours
- (B) $3\frac{1}{4}$ hours
- (C) $3\frac{3}{4}$ hours
- (D) $4\frac{1}{4}$ hours

Challenge Problem!

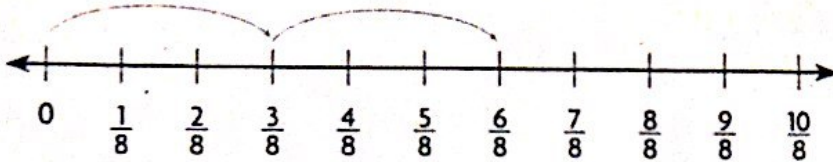
Name _____



Fill in the bubble completely to show your answer.

23. Griffin used a number line to write the multiples of $\frac{3}{8}$. Which multiple on the number line shows the product $2 \times \frac{3}{8}$?

MCC4.NF.4B



- (A) $\frac{2}{8}$
- (B) $\frac{3}{8}$
- (C) $\frac{6}{8}$
- (D) $\frac{9}{8}$

- X. Serena's rabbit weighs $3\frac{1}{2}$ pounds. Jarod's rabbit weighs 3 times as much as Serena's rabbit. How much does Jarod's rabbit weigh? MCC4.NF.4C

- (A) $3\frac{1}{6}$ pounds
- (B) $7\frac{1}{6}$ pounds
- (C) $9\frac{1}{2}$ pounds
- (D) $10\frac{1}{2}$ pounds

Challenge Problem!

25. Jacadi is setting up a tent. Each section of a tent pole is $\frac{2}{3}$ yard long. She needs 4 sections to make 1 pole. How long is 1 tent pole? MCC4.NF.4D

- (A) $\frac{12}{3}$ yards
- (B) $\frac{8}{3}$ yards
- (C) 8 yards
- (D) $\frac{4}{3}$ yards