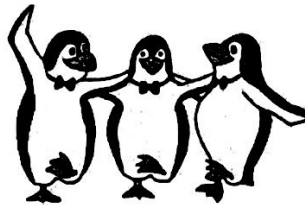# Weekly Math Homework
## January 12 - 16

**Monday-Wednesday:** Work on pages in this packet and practice/review for test over fractions on Friday! Practice multiplication facts for timed test on Friday!
**Due THURSDAY**: Entire packet!

*Test over fractions on Friday! (adding, subtracting, and multiplying fractions)*
*Multiplication Timed Test on Friday!*

My timed test on Friday is on the _____ facts!

Ⓝⓐⓜⓔ _____

*Parent Signature*_____

Name _____ **All pages due on Thursday!**

▶ **Vocabulary**

✶ **Choose the best term from the box.**

| Vocabulary |
| --- |
| mixed number |
| simplest form |
| unit fraction |

1. A number represented by a whole number and a fraction is a

   _____ . (p. 271)

2. A fraction that always has a numerator of 1 is a

   _____ . (p. 253)

▶ **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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**GO Online** Assessment Options Unit Test

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*Fill in the bubble completely to show your answer.*

PARCC TEST PREP

**All pages due on Thursday!**

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

Ⓐ $1\frac{1}{4}$ feet

Ⓑ $1\frac{3}{4}$ feet

Ⓒ 2 feet

Ⓓ $3\frac{1}{4}$ 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

Ⓐ $\frac{3}{10}$ mile

Ⓑ $\frac{4}{10}$ mile

Ⓒ $\frac{7}{10}$ mile

Ⓓ 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

Ⓐ $1\frac{5}{8}$ miles

Ⓑ $12\frac{1}{8}$ miles

Ⓒ $19\frac{4}{8}$ miles

Ⓓ $19\frac{5}{8}$ miles

23. Cindy has two jars of paint.
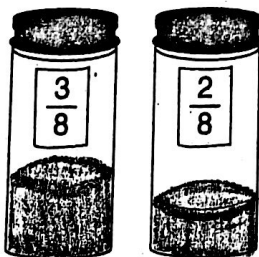


Which fraction below represents how much paint Cindy has? MCC4.NF.3d

Ⓐ $\frac{1}{8}$          Ⓒ $\frac{5}{8}$

Ⓑ $\frac{4}{8}$          Ⓓ $\frac{7}{8}$

294

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due Thurs!

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

   Ⓐ $\frac{3}{4}$

   Ⓑ $\frac{5}{4}$

   Ⓒ $\frac{11}{4}$

   Ⓓ $\frac{14}{4}$

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

   Ⓐ $5\frac{1}{2}$ years old

   Ⓑ $3\frac{1}{2}$ years old

   Ⓒ $2\frac{1}{2}$ years old

   Ⓓ $1\frac{1}{2}$ 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

   Ⓐ $\frac{2}{6}$ cups

   Ⓑ $4\frac{2}{6}$ cups

   Ⓒ $7\frac{5}{6}$ cups

   Ⓓ $11\frac{2}{6}$ 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

   Ⓐ $\frac{8}{12}$

   Ⓑ $\frac{8}{24}$

   Ⓒ $\frac{2}{12}$

   Ⓓ $\frac{2}{24}$

# All pages due on Thursday!

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

**GO Online** Assessment Options  Unit Test

**Fill in the bubble completely to show your answer.**

✗ 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?

_Challenge Problem!_

MCC4.NF.4c

Ⓐ 2 hours

Ⓑ 4 hours

Ⓒ $4\frac{2}{4}$ hours

Ⓓ $8\frac{2}{4}$ hours

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? MCC4.NF.4a

Ⓐ 5

Ⓑ 7

Ⓒ 12

Ⓓ 17

21. Micala made a list of some multiples of $\frac{3}{5}$. Which could be Micala's list? MCC4.NF.4b

Ⓐ $\frac{3}{5}, \frac{9}{5}, \frac{12}{5}, \frac{19}{5}$

Ⓑ $\frac{3}{5}, \frac{6}{10}, \frac{9}{15}, \frac{12}{20}$

Ⓒ $\frac{1}{5}, \frac{3}{5}, \frac{6}{5}, \frac{9}{5}$

Ⓓ $\frac{3}{5}, \frac{6}{5}, \frac{9}{5}, \frac{12}{5}$

✗ 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? MCC4.NF.4c
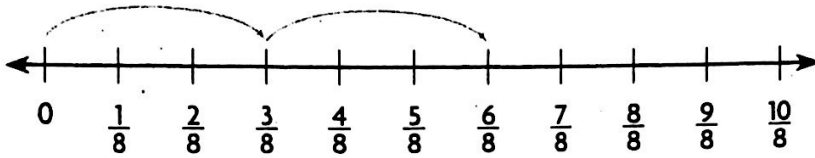
Ⓐ $1\frac{1}{16}$ hours

_Challenge Problem!_

Ⓑ $3\frac{1}{4}$ hours

Ⓒ $3\frac{3}{4}$ hours

Ⓓ $4\frac{1}{4}$ hours

**TEST PREP**

**Due Thurs.**

**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  $\frac{9}{8}$

**24.** 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

**Challenge Problem!**

A  $3\frac{1}{6}$ pounds

B  $7\frac{1}{6}$ pounds

C  $9\frac{1}{2}$ pounds

D  $10\frac{1}{2}$ pounds

**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.4b

A  $\frac{12}{3}$ yards

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

C  8 yards

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