



# 4th Year Math Task Cards

Unit 3 - Numbers & Operations with Fractions (NF)

## Directions:

- 1) Locate the assigned “Math Task Cards” from this unit
- 2) If needed, use a material or whiteboard to help you solve the problems
- 3) Record all answers in your “Math Task Journal”
- 4) When you have completed all 20 Task Cards, you may self-correct using the Answer Key
- 5) If you get a problem wrong, circle it with a highlighter or marker

16-20 CORRECT	11-15 CORRECT	0-10 CORRECT
EXCELLING	ACHIEVING	DEVELOPING
WOW - WAY TO GO!	YOU'RE GETTING CLOSE!	NOT YET - KEEP TRYING!

**1**

Find the equivalent fraction.

$$\frac{6}{10}$$

a)  $\frac{3}{4}$

b)  $\frac{3}{5}$

c)  $\frac{1}{6}$

**4.NF.1****2**

Find the equivalent fraction.

$$\frac{1}{3}$$

a)  $\frac{2}{6}$

b)  $\frac{3}{6}$

c)  $\frac{1}{4}$

**4.NF.1****3**

Find the equivalent fraction.

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

a)  $\frac{4}{5}$

b)  $\frac{4}{10}$

c)  $\frac{6}{8}$

**4.NF.1****4**

Find the equivalent fraction.

$$\frac{4}{8}$$

a)  $\frac{5}{6}$

b)  $\frac{8}{10}$

c)  $\frac{1}{2}$

**4.NF.1**

**5**

Find the number that makes the fractions equivalent.

$$\frac{1}{5} = \frac{2}{?}$$

**4.NF.1****6**

Find the equivalent fraction.

$$\frac{4}{5} = \frac{?}{10}$$

**4.NF.1****7**

Find the equivalent fraction.

$$\frac{5}{6} = \frac{?}{12}$$

**4.NF.1****8**

Find the equivalent fraction.

$$\frac{1}{4} = \frac{3}{?}$$

**4.NF.1**

**9**

Find the equivalent fraction.

$$\frac{2}{5} = \frac{4}{?}$$

**4.NF.1****10**

Find the equivalent fraction.

$$\frac{3}{4} = \frac{?}{8}$$

**4.NF.1****11**

Find the equivalent fraction.

$$\frac{1}{4} = \frac{?}{12}$$

**4.NF.1****12**

Find the equivalent fraction.

$$\frac{2}{3} = \frac{8}{?}$$

**4.NF.1**

**13**

List two equivalent fractions.

$$\frac{1}{2}$$

4.NF.1

**14**

List two equivalent fractions.

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

4.NF.1

**15**

List two equivalent fractions.

$$\frac{4}{5}$$

4.NF.1

**16**

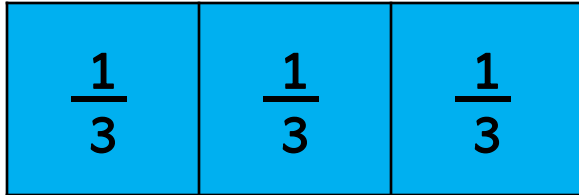
List two equivalent fractions.

$$\frac{8}{12}$$

4.NF.1

17

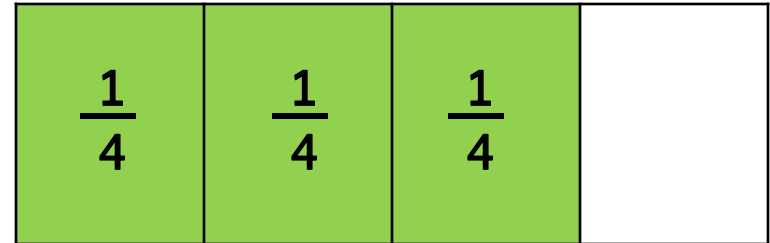
Draw and label a picture to show an equivalent fraction.



4.NF.1

18

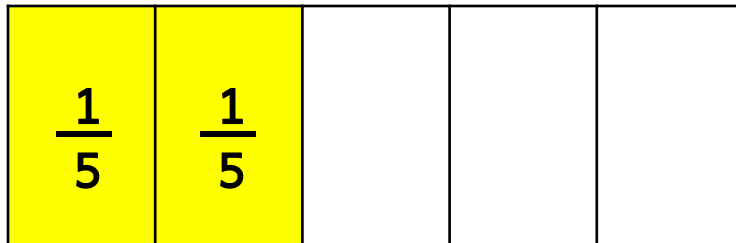
Draw and label a picture to show an equivalent fraction.



4.NF.1

19

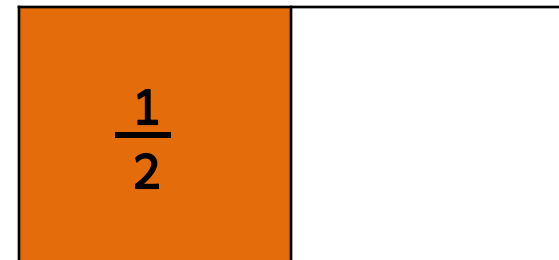
Draw and label a picture to show an equivalent fraction.



4.NF.1

20

Draw and label a picture to show an equivalent fraction.



4.NF.1

# Equivalent Fractions

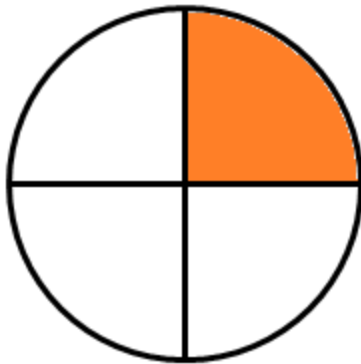
## ANSWER KEY

1. <b>B</b>	2. <b>A</b>	3. <b>B</b>	4. <b>C</b>
5. <b>10</b>	6. <b>8</b>	7. <b>10</b>	8. <b>12</b>
9. <b>10</b>	10. <b>6</b>	11. <b>3</b>	12. <b>12</b>
13. <b>Answers will vary.</b>	14. <b>Answers will vary.</b>	15. <b>Answers will vary.</b>	16. <b>Answers will vary.</b>
17. <b>Answers will vary.</b>	18. <b>Answers will vary.</b>	19. <b>Answers will vary.</b>	20. <b>Answers will vary.</b>



1

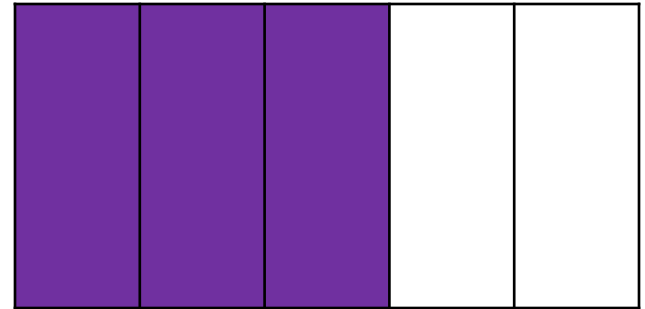
Is the shaded amount 'greater than', 'less than', or 'equal to' half?



4.NF.2

2

Is the shaded amount 'greater than', 'less than', or 'equal to' half?



4.NF.2

3

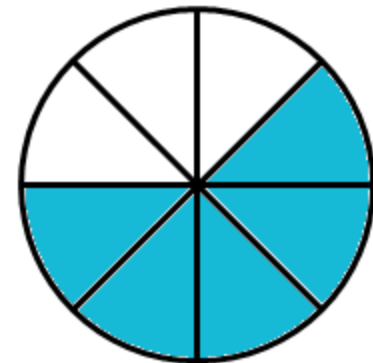
Is the shaded amount 'greater than', 'less than', or 'equal to' half?



4.NF.2

4

Is the shaded amount 'greater than', 'less than', or 'equal to' half?



4.NF.2

5

Is the fraction 'greater than',  
'less than', or 'equal to' half?

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

4.NF.2

6

Is the fraction 'greater than',  
'less than', or 'equal to' half?

$$\frac{1}{4}$$

4.NF.2

7

Is the fraction 'greater than',  
'less than', or 'equal to' half?

$$\frac{4}{5}$$

4.NF.2

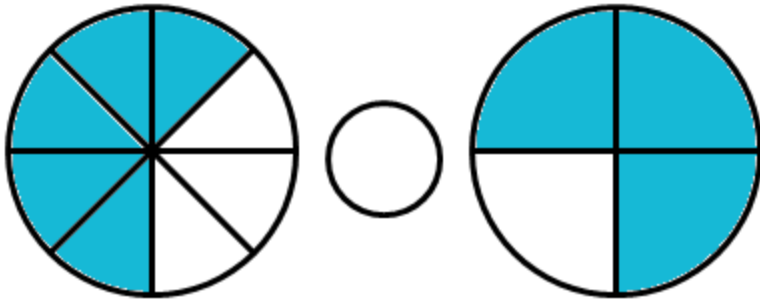
8

Is the fraction 'greater than',  
'less than', or 'equal to' half?

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

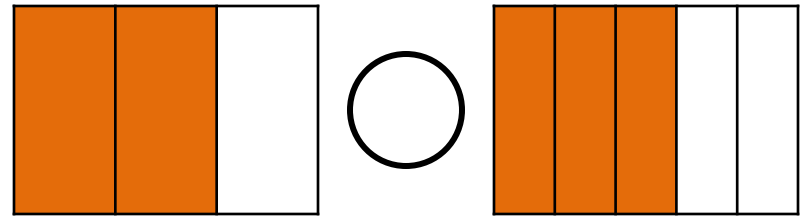
4.NF.2

**9** Solve the problem using  $>$ ,  $<$ , or  $=$ .



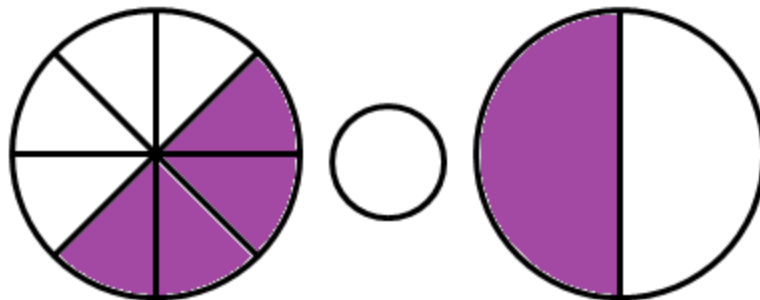
**4.NF.2**

**10** Solve the problem using  $>$ ,  $<$ , or  $=$ .



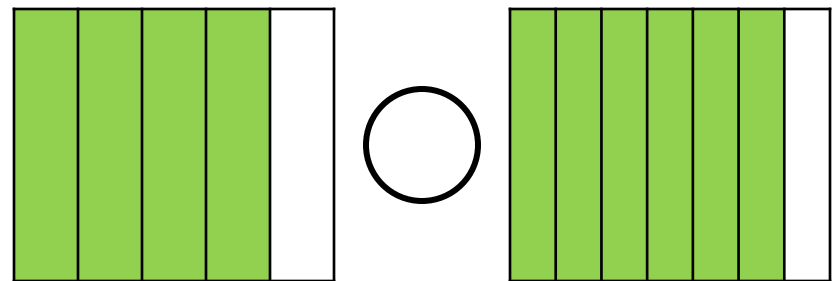
**4.NF.2**

**11** Solve the problem using  $>$ ,  $<$ , or  $=$ .



**4.NF.2**

**12** Solve the problem using  $>$ ,  $<$ , or  $=$ .



**4.NF.2**

**13**

Solve the problem using  
>, <, or =.

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

**4.NF.2****14**

Solve the problem using  
>, <, or =.

$$\frac{5}{6} \bigcirc \frac{4}{7}$$

**4.NF.2****15**

Solve the problem using  
>, <, or =.

$$\frac{1}{4} \bigcirc \frac{2}{8}$$

**4.NF.2****16**

Solve the problem using  
>, <, or =.

$$\frac{2}{3} \bigcirc \frac{1}{6}$$

**4.NF.2**

**17** Solve the problem using  
>, <, or =.

$$\frac{6}{8} \bigcirc \frac{3}{4}$$

4.NF.2

**18** Solve the problem using  
>, <, or =.

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

4.NF.2

**19** Solve the problem using  
>, <, or =.

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

4.NF.2

**20** Solve the problem using  
>, <, or =.

$$\frac{2}{5} \bigcirc \frac{3}{6}$$

4.NF.2

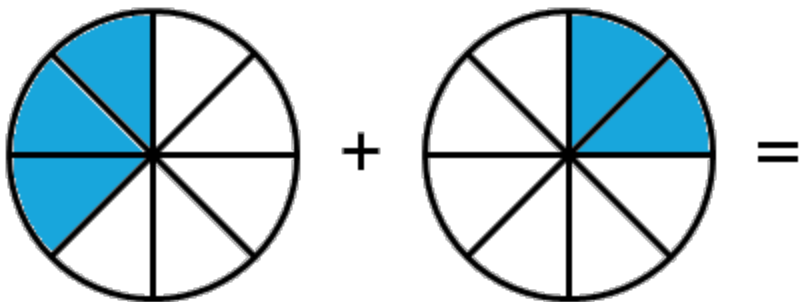
# Comparing Fractions

## ANSWER KEY

1. Less than	2. Greater than	3. Equal to	4. Greater than
5. Greater than	6. Less than	7. Greater than	8. Less than
9. <	10. >	11. =	12. <
13. <	14. >	15. =	16. >
17. =	18. <	19. >	20. <

1

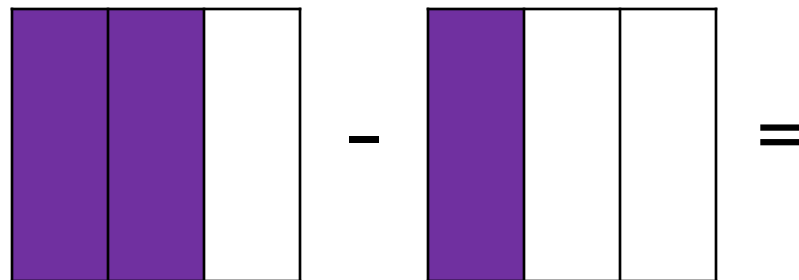
Solve the fraction addition problem.



4.NF.3

2

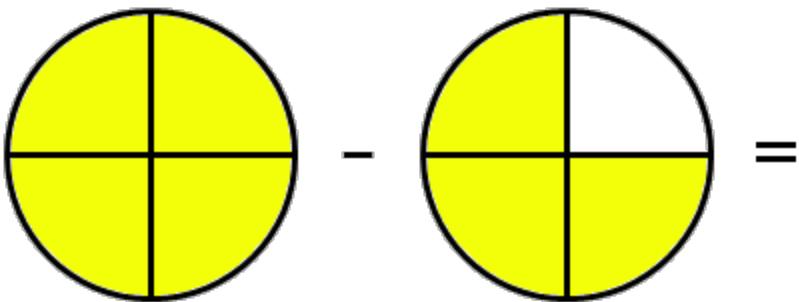
Solve the fraction subtraction problem.



4.NF.3

3

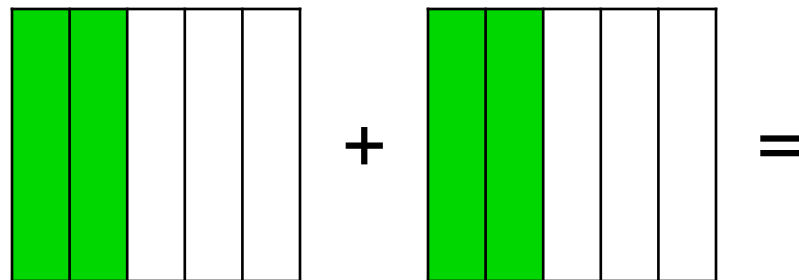
Solve the fraction subtraction problem.



4.NF.3

4

Solve the fraction addition problem.



4.NF.3

**5**

Solve the fraction addition problem.

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

**4.NF.3****6**

Solve the fraction subtraction problem.

$$\frac{8}{9} - \frac{3}{9} =$$

**4.NF.3****7**

Solve the fraction subtraction problem.

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

**4.NF.3****8**

Solve the fraction addition problem.

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

**4.NF.3**



**9** Write and draw two ways to decompose this fraction:

$$\frac{3}{4}$$

4.NF.3

**10** Write and draw two ways to decompose this fraction:

$$\frac{5}{6}$$

4.NF.3

**11** Write and draw two ways to decompose this fraction:

$$\frac{4}{7}$$

4.NF.3

**12** Write and draw two ways to decompose this fraction:

$$\frac{3}{8}$$

4.NF.3

13

Solve the fraction addition problem.

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

4.NF.3

14

Solve the fraction subtraction problem.

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

4.NF.3

15

Solve the fraction subtraction problem.

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

4.NF.3

16

Solve the fraction addition problem.

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

4.NF.3

**17**

Abby ate  $\frac{3}{5}$  of the pie, and Annie ate  $\frac{1}{5}$  of the pie. How much pie did they eat altogether?

**4.NF.3**

**18**

Brian opened a new gallon of milk. He drank  $\frac{2}{7}$  of the gallon of milk. What fraction of the gallon remains?

**4.NF.3**

**19**

Micah jumped  $\frac{2}{3}$  of a yard, and Josiah jumped  $\frac{2}{3}$  of a yard. How far did they jump altogether?

**4.NF.3**

**20**

Lindsey ran  $\frac{7}{8}$  of a mile, and Janet ran  $\frac{3}{8}$  of a mile. How much farther did Lindsey run than Janet?

**4.NF.3**

# Adding & Subtracting Fractions

## ANSWER KEY

1. $\frac{5}{8}$	2. $\frac{1}{3}$	3. $\frac{1}{4}$	4. $\frac{4}{5}$
5. $\frac{2}{3}$	6. $\frac{5}{9}$	7. $\frac{2}{5}$	8. $\frac{4}{6} = \frac{2}{3}$
9. Answers will vary.	10. Answers will vary.	11. Answers will vary.	12. Answers will vary.
13. 4	14. $2 \frac{1}{5}$	15. $1 \frac{1}{3}$	16. $3 \frac{1}{2}$
17. $\frac{4}{5}$	18. $\frac{5}{7}$	19. $1 \frac{1}{3}$	20. $\frac{4}{8} = \frac{1}{2}$

1

Which expression matches the visual model?

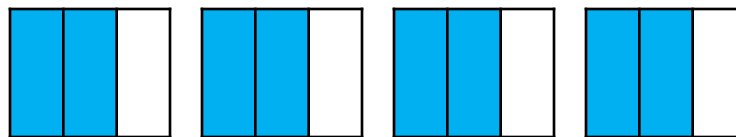


A)  $\frac{1}{3} \times 6 =$       B)  $\frac{1}{2} \times 6 =$

4.NF.4

2

Which expression matches the visual model?



A)  $4 \times \frac{2}{3} =$       B)  $5 \times \frac{2}{3} =$

4.NF.4

3

Draw a visual model to solve.

$$3 \times \frac{5}{8} =$$

4.NF.4

4

Draw a visual model to solve.

$$\frac{1}{5} \times 2 =$$

4.NF.4

5

Multiply to solve.

$$\frac{6}{7} \times 3 =$$

4.NF.4

6

Multiply to solve.

$$5 \times \frac{4}{6} =$$

4.NF.4

7

Multiply to solve.

$$2 \times \frac{1}{7} =$$

4.NF.4

8

Multiply to solve.

$$\frac{1}{3} \times 8 =$$

4.NF.4

**9**

Multiply to solve.

$$\frac{3}{8} \times 4 =$$

**4.NF.4****10**

Multiply to solve.

$$6 \times \frac{1}{4} =$$

**4.NF.4****11**

Multiply to solve.

$$3 \times \frac{2}{5} =$$

**4.NF.4****12**

Multiply to solve.

$$\frac{1}{6} \times 5 =$$

**4.NF.4**

**13**

Multiply to solve.

$$\frac{1}{2} \times 9 =$$

4.NF.4

**14**

Multiply to solve.

$$5 \times \frac{4}{5} =$$

4.NF.4

**15**

Multiply to solve.

$$7 \times \frac{2}{7} =$$

4.NF.4

**16**

Multiply to solve.

$$\frac{1}{8} \times 3 =$$

4.NF.4



17

Charlotte ran 5 miles on Friday, and on Saturday she ran  $\frac{2}{5}$  as far as she did on Friday. How far did she run on Saturday?

4.NF.4

18

At the candy store, 6 friends each bought  $\frac{1}{3}$  of a pound of candy. How many pounds of candy did they buy altogether?

4.NF.4

19

A doughnut recipe called for 7 cups of flour. If someone wanted to make  $\frac{1}{2}$  of the doughnut recipe, how many cups of flour would they use?

4.NF.4

20

On Wednesday it rained 4 inches. Then, on Thursday it rained  $\frac{2}{3}$  as much as it did on Wednesday. How much did it rain on Thursday?

4.NF.4

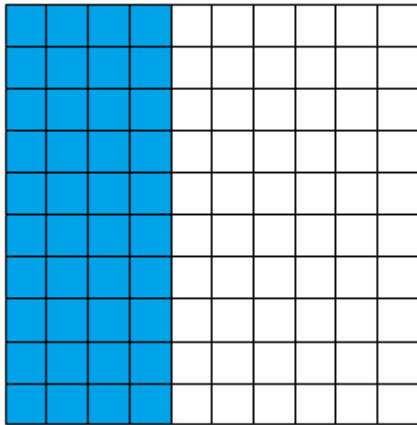
# Multiplying Fractions

## ANSWER KEY

1. B	2. A	3. Answers will vary.	4. Answers will vary.
5. $2 \frac{4}{7}$	6. $3 \frac{1}{3}$	7. $\frac{2}{7}$	8. $2 \frac{2}{3}$
9. $1 \frac{1}{2}$	10. $1 \frac{1}{2}$	11. $1 \frac{1}{5}$	12. $\frac{5}{6}$
13. $4 \frac{1}{2}$	14. 4	15. 2	16. $\frac{3}{8}$
17. 2	18. 2	19. $3 \frac{1}{2}$	20. $2 \frac{2}{3}$

1

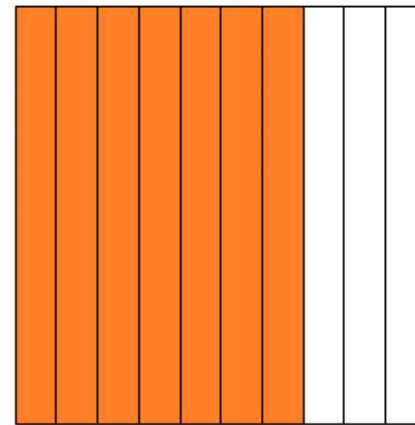
Identify the fraction.



4.NF.5

2

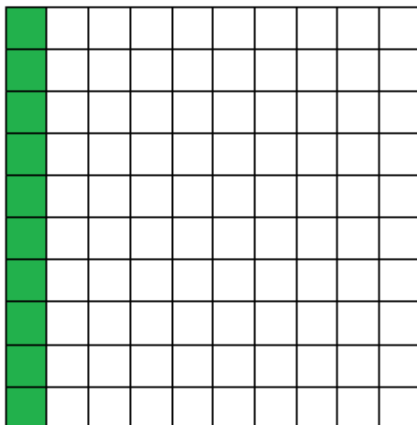
Identify the fraction.



4.NF.5

3

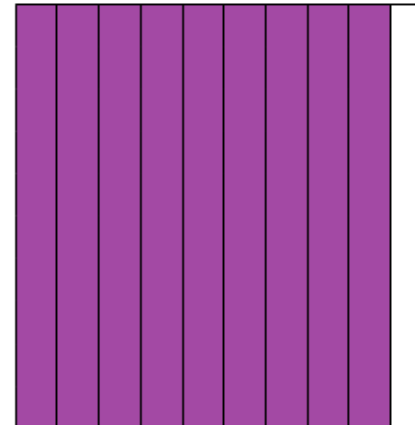
Identify the fraction.



4.NF.5

4

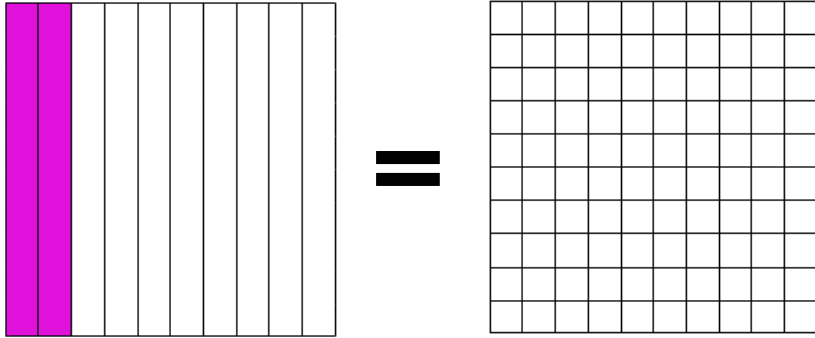
Identify the fraction.



4.NF.5

5

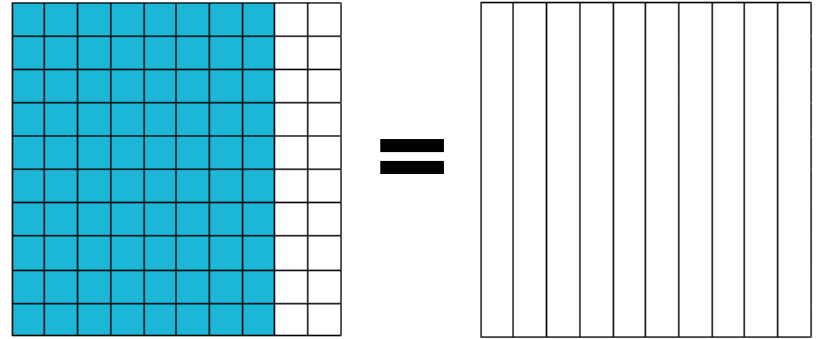
Shade in an equivalent fraction.



4.NF.5

6

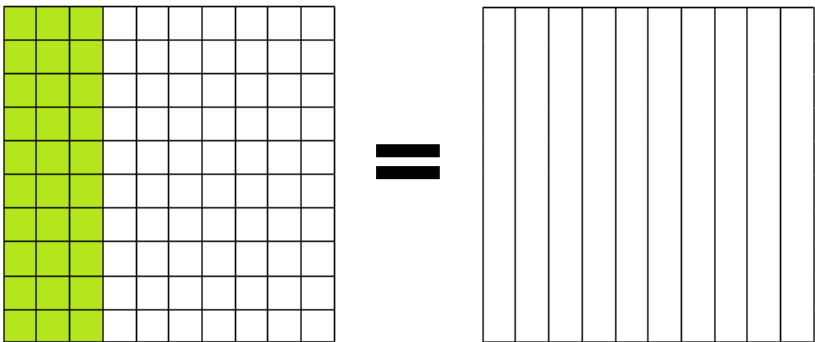
Shade in an equivalent fraction.



4.NF.5

7

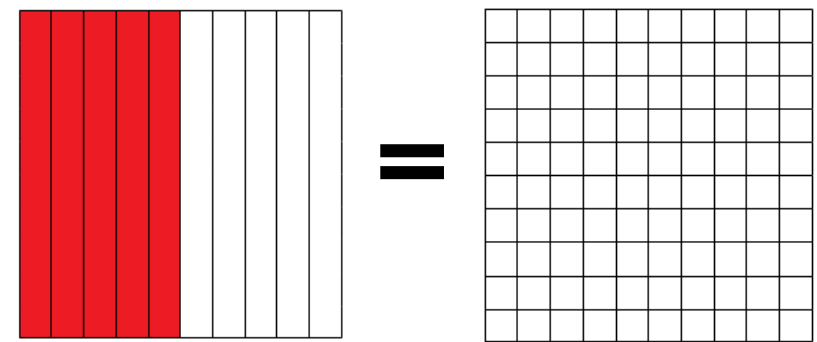
Shade in an equivalent fraction.



4.NF.5

8

Shade in an equivalent fraction.



4.NF.5

**9**

Write the missing number.

$$\frac{3}{10} = \frac{?}{100}$$

**4.NF.5****10**

Write the missing number.

$$\frac{?}{10} = \frac{20}{100}$$

**4.NF.5****11**

Write the missing number.

$$\frac{?}{10} = \frac{50}{100}$$

**4.NF.5****12**

Write the missing number.

$$\frac{7}{10} = \frac{?}{100}$$

**4.NF.5**

**13**

Write the missing number.

$$\frac{4}{10} = \frac{?}{100}$$

**4.NF.5****14**

Write the missing number.

$$\frac{?}{10} = \frac{90}{100}$$

**4.NF.5****15**

Write the missing number.

$$\frac{?}{10} = \frac{80}{100}$$

**4.NF.5****16**

Write the missing number.

$$\frac{6}{10} = \frac{?}{100}$$

**4.NF.5**

17

Find the sum.

$$\frac{18}{100} + \frac{3}{10} =$$

4.NF.5

18

Find the sum.

$$\frac{4}{10} + \frac{26}{100} =$$

4.NF.5

19

Find the sum.

$$\frac{8}{10} + \frac{5}{100} =$$

4.NF.5

20

Find the sum.

$$\frac{17}{100} + \frac{6}{10} =$$

4.NF.5

# Adding Tenths & Hundredths

ANSWER KEY

1.

40/100

2.

7/10

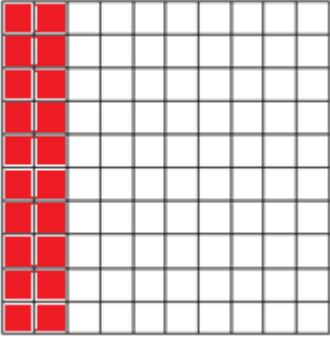
3.

10/100

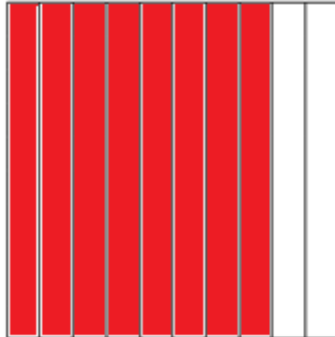
4.

9/10

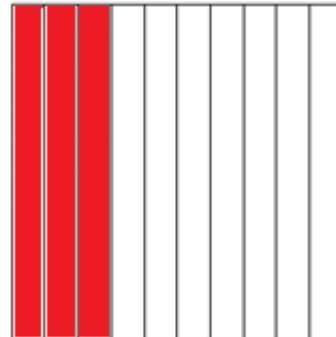
5.



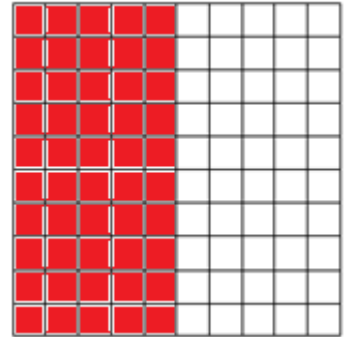
6.



7.



8.



9.

30

10.

2

11.

5

12.

70

13.

40

14.

9

15.

8

16.

60

17.

48

18.

66

19.

85

20.

77



1

Write the fraction  
as a decimal.

$$\frac{6}{10}$$

4.NF.6

2

Write the decimal  
as a fraction.

0.31

4.NF.6

3

Write the fraction  
as a decimal.

$$\frac{49}{100}$$

4.NF.6

4

Write the decimal  
as a fraction.

0.7

4.NF.6

5

Write the fraction  
as a decimal.

$$\frac{9}{10}$$

4.NF.6

6

Write the decimal  
as a fraction.

0.08

4.NF.6

7

Write the fraction  
as a decimal.

$$\frac{4}{100}$$

4.NF.6

8

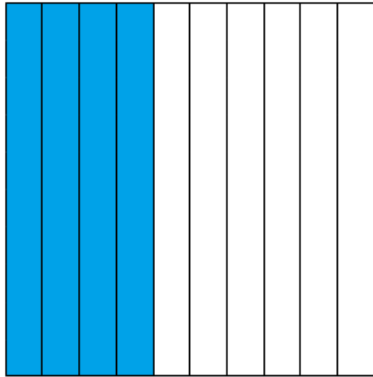
Write the decimal  
as a fraction.

0.52

4.NF.6

9

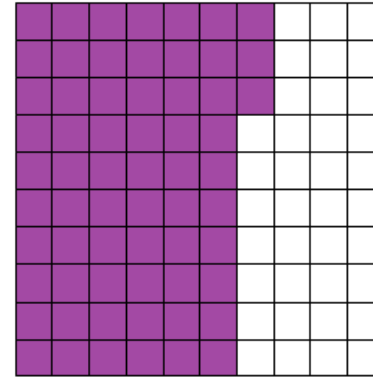
Write the value as a fraction and as a decimal.



4.NF.6

10

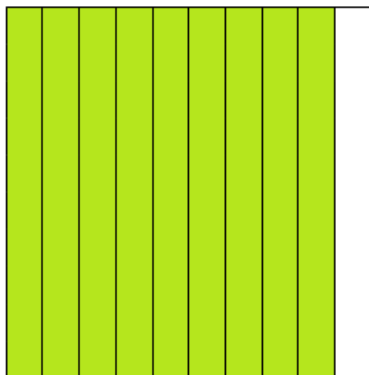
Write the value as a fraction and as a decimal.



4.NF.6

11

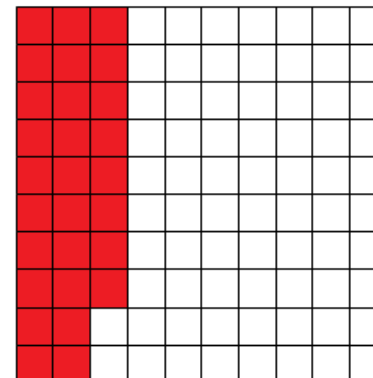
Write the value as a fraction and as a decimal.



4.NF.6

12

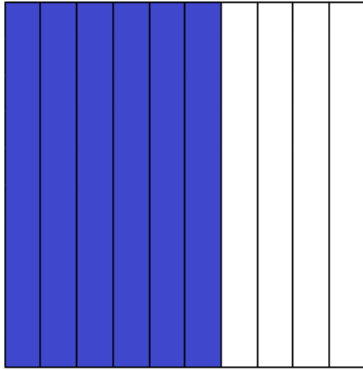
Write the value as a fraction and as a decimal.



4.NF.6

13

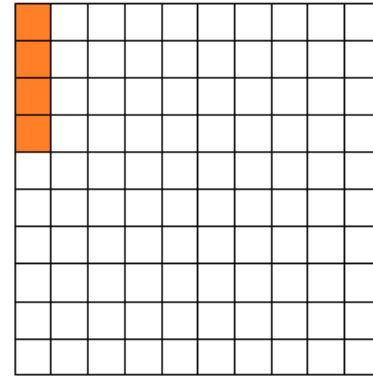
Write the value as a fraction and as a decimal.



4.NF.6

14

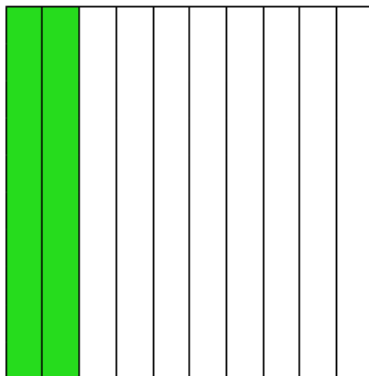
Write the value as a fraction and as a decimal.



4.NF.6

15

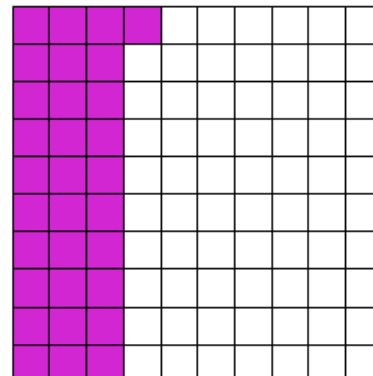
Write the value as a fraction and as a decimal.



4.NF.6

16

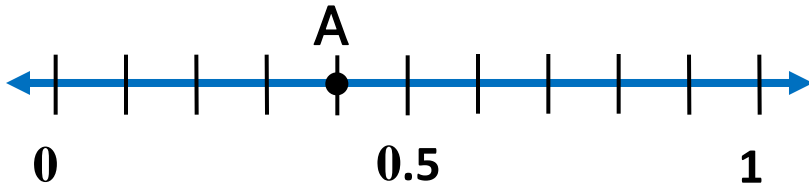
Write the value as a fraction and as a decimal.



4.NF.6

17

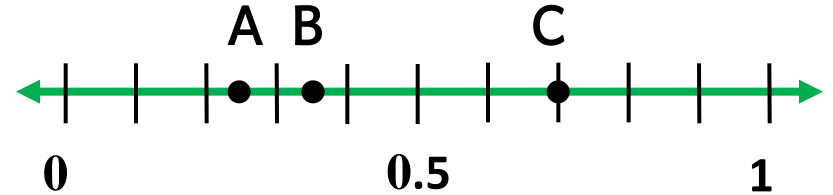
Write the value for point A as a decimal, and then convert it to a fraction.



4.NF.6

18

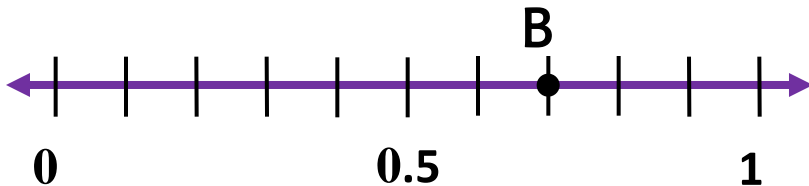
Which letter represents 0.25?



4.NF.6

19

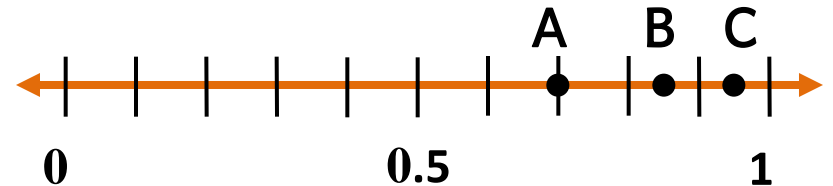
Write the value for point B as a decimal, and then convert it to a fraction.



4.NF.6

20

Which letter represents 0.85?



4.NF.6

# Fractions & Decimals

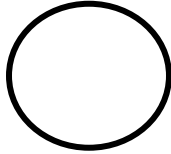
## ANSWER KEY

1. <b>0.6</b>	2. <b><math>31/100</math></b>	3. <b>0.79</b>	4. <b><math>7/10</math></b>
5. <b>0.9</b>	6. <b><math>8/100</math></b>	7. <b>0.04</b>	8. <b><math>52/100</math></b>
9. <b><math>4/10</math>; 0.4</b>	10. <b><math>63/100</math>; 0.63</b>	11. <b><math>9/10</math>; 0.9</b>	12. <b><math>28/100</math>; 0.28</b>
13. <b><math>6/10</math>; 0.6</b>	14. <b><math>4/100</math>; 0.04</b>	15. <b><math>2/10</math>; 0.2</b>	16. <b><math>31/100</math>; 0.31</b>
17. <b>0.4; <math>4/10</math></b>	18. <b>A</b>	19. <b>0.7; <math>7/10</math></b>	20. <b>B</b>

**1**

Write  $>$ ,  $<$ , or  $=$  to compare the numbers.

4.32



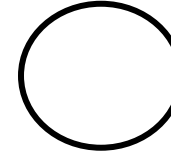
4.23

4.NF.7

**2**

Write  $>$ ,  $<$ , or  $=$  to compare the numbers.

6.67



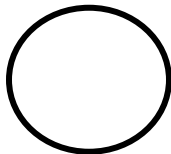
6.7

4.NF.7

**3**

Write  $>$ ,  $<$ , or  $=$  to compare the numbers.

13.8



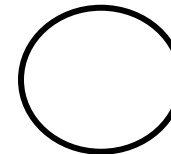
13.08

4.NF.7

**4**

Write  $>$ ,  $<$ , or  $=$  to compare the numbers.

7.34



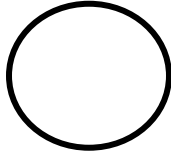
7.44

4.NF.7

5

Write  $>$ ,  $<$ , or  $=$  to compare the numbers.

2.30



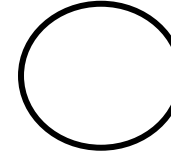
2.3

4.NF.7

6

Write  $>$ ,  $<$ , or  $=$  to compare the numbers.

9.81



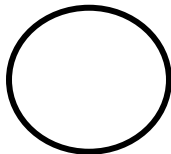
9.8

4.NF.7

7

Write  $>$ ,  $<$ , or  $=$  to compare the numbers.

28.94



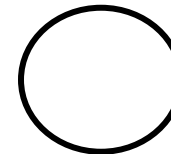
28.95

4.NF.7

8

Write  $>$ ,  $<$ , or  $=$  to compare the numbers.

14.05



14.6

4.NF.7



**9**

Which number has the smallest value?

- a) 5.17
- b) 5.71
- c) 5.1
- d) 5.07

**4.NF.7**

**10**

Which number has the smallest value?

- a) 14.03
- b) 14.3
- c) 14.31
- d) 14.13

**4.NF.7**

**11**

Which number has the greatest value?

- a) 9.48
- b) 9.84
- c) 9.88
- d) 9.08

**4.NF.7**

**12**

Which number has the greatest value?

- a) 21.79
- b) 21.09
- c) 21.77
- d) 21.7

**4.NF.7**

**13**

Which number has the smallest value?

- a) 3.03
- b) 3.13
- c) 3.3
- d) 3.33

**4.NF.7**

**14**

Which number has the smallest value?

- a) 84.66
- b) 85.56
- c) 85.62
- d) 84.61

**4.NF.7**

**15**

Which number has the greatest value?

- a) 54.23
- b) 54.33
- c) 54.32
- d) 54.29

**4.NF.7**

**16**

Which number has the greatest value?

- a) 16.08
- b) 16.18
- c) 16.8
- d) 16.19

**4.NF.7**

**17**

Order the numbers  
from least to greatest.

- a) 57.06
- b) 57.7
- c) 57.16
- d) 56.88

**4.NF.7**

**18**

Order the numbers  
from least to greatest.

- a) 92.48
- b) 92.84
- c) 93.48
- d) 92.88

**4.NF.7**

**19**

Order the numbers  
from least to greatest.

- a) 6.54
- b) 6.5
- c) 5.6
- d) 5.64

**4.NF.7**

**20**

Order the numbers  
from least to greatest.

- a) 31.10
- b) 31.01
- c) 30.11
- d) 31.11

**4.NF.7**

# Comparing Decimals

## ANSWER KEY

1.  >	2.  <	3.  >	4.  <
5.  =	6.  >	7.  <	8.  <
9.  D	10.  A	11.  C	12.  A
13.  A	14.  D	15.  B	16.  C
17.  D, A, C, B	18.  A, B, D, C	19.  C, D, B, A	20.  C, B, A, D