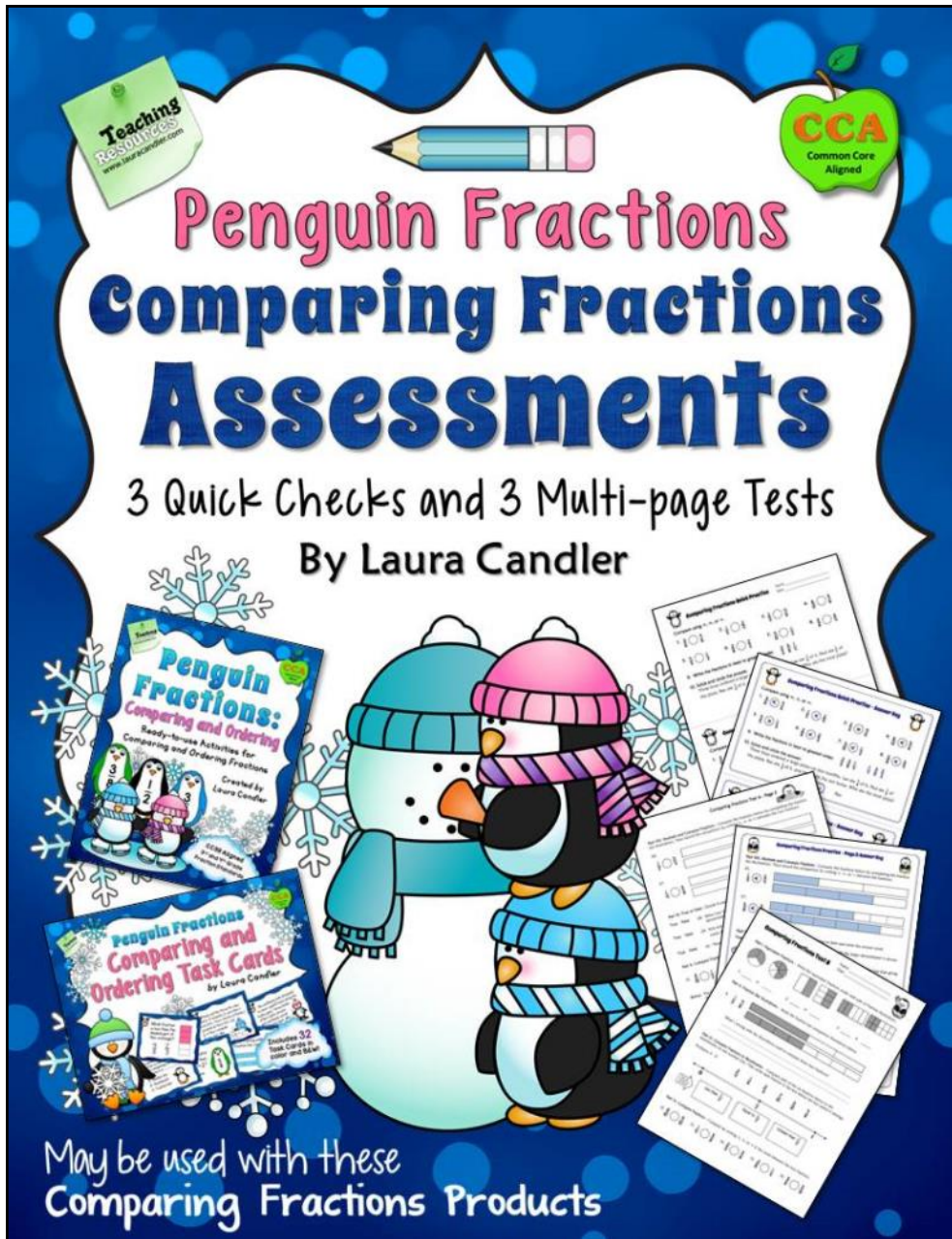


# Comparing Fractions Assessments (Penguin Version)

This preview includes only a small sample of the pages. To see all the pages, look for the link in the product description.



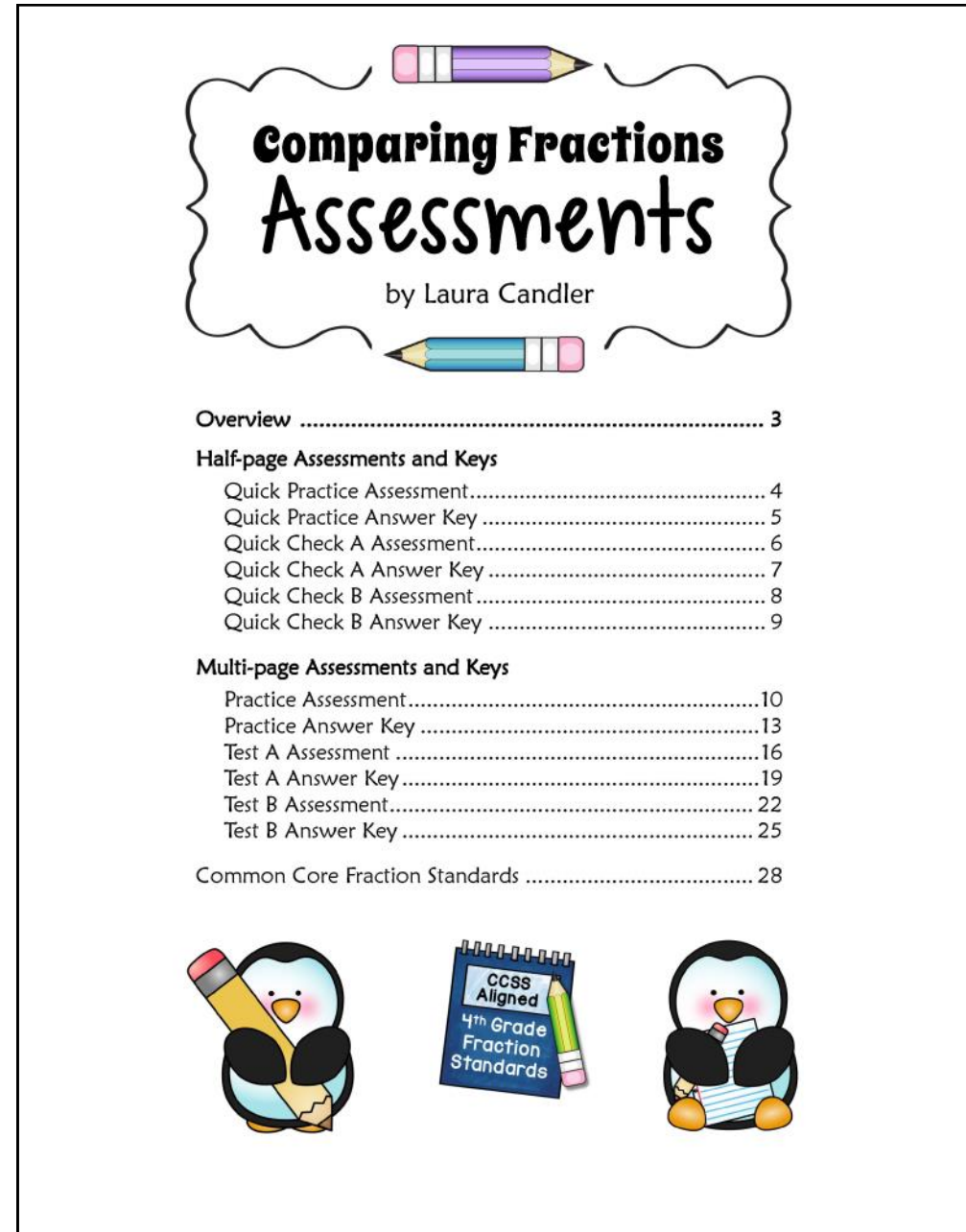
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Common Core Aligned

## Penguin Fractions Comparing Fractions Assessments

3 Quick Checks and 3 Multi-page Tests  
By Laura Candler


May be used with these  
Comparing Fractions Products



## Comparing Fractions Assessments

by Laura Candler

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# Half-page Quick Checks and Multi-page Tests

## Three variations of each: practice, version A, version B



### Comparing Fractions Quick Practice

Name \_\_\_\_\_  
Date \_\_\_\_\_

Compare using  $>$ ,  $<$ , or  $=$ .

1.  $\frac{3}{6} \bigcirc \frac{4}{6}$     2.  $\frac{1}{5} \bigcirc \frac{2}{4}$     3.  $\frac{2}{3} \bigcirc \frac{4}{6}$     4.  $\frac{6}{12} \bigcirc \frac{5}{6}$   
 5.  $\frac{4}{5} \bigcirc \frac{1}{3}$     6.  $\frac{2}{8} \bigcirc \frac{2}{3}$     7.  $\frac{4}{12} \bigcirc \frac{1}{2}$     8.  $\frac{5}{8} \bigcirc \frac{3}{4}$

9. Write the fractions in least to greatest order.  $\frac{2}{3}$   $\frac{3}{8}$   $\frac{1}{4}$

10. Solve and circle the answer.

Three boys ordered a large pizza cut into twelfths. Lee ate  $\frac{1}{4}$  of it, Paul ate  $\frac{1}{3}$  of the pizza, Rex ate  $\frac{1}{6}$  of it, and they took the rest home. Who ate the most pizza?

Lee      Paul      Rex



### Comparing Fractions Quick Practice

Name \_\_\_\_\_  
Date \_\_\_\_\_

Compare using  $>$ ,  $<$ , or  $=$ .

1.  $\frac{3}{6} \bigcirc \frac{4}{6}$     2.  $\frac{1}{5} \bigcirc \frac{2}{4}$     3.  $\frac{2}{3} \bigcirc \frac{4}{6}$     4.  $\frac{6}{12} \bigcirc \frac{5}{6}$   
 5.  $\frac{4}{5} \bigcirc \frac{1}{3}$     6.  $\frac{2}{8} \bigcirc \frac{2}{3}$     7.  $\frac{4}{12} \bigcirc \frac{1}{2}$     8.  $\frac{5}{8} \bigcirc \frac{3}{4}$

9. Write the fractions in least to greatest order.  $\frac{2}{3}$   $\frac{3}{8}$   $\frac{1}{4}$

10. Solve and circle the answer.

Three boys ordered a large pizza cut into twelfths. Lee ate  $\frac{1}{4}$  of it, Paul ate  $\frac{1}{3}$  of the pizza, Rex ate  $\frac{1}{6}$  of it, and they took the rest home. Who ate the most pizza?

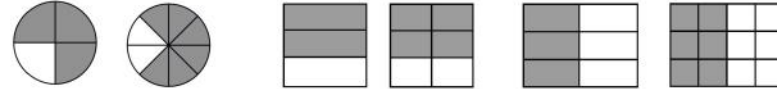
Lee      Paul      Rex

### Comparing Fractions Test A

Name \_\_\_\_\_  
Date \_\_\_\_\_



Part I. Equivalent Fractions - Write the equivalent fractions under each pair of fraction illustrations.



1. \_\_\_\_\_ = \_\_\_\_\_    2. \_\_\_\_\_ = \_\_\_\_\_    3. \_\_\_\_\_ = \_\_\_\_\_

Part II. Fraction Bar Illustrations - Study the fraction bar comparison illustrations below.



What's wrong with the illustrations used to compare these two fractions?

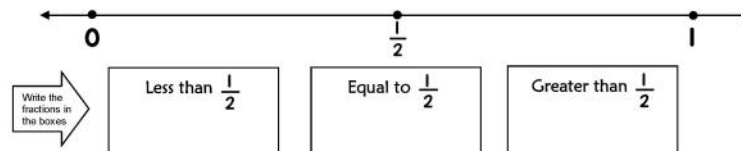
\_\_\_\_\_

\_\_\_\_\_

Part III. Compare Fractions to Benchmarks - Compare each of the six fractions below to the benchmarks on the number line. Then write each fraction in the box below the line where it belongs.

Problems 5 - 11

$\frac{5}{6}$      $\frac{1}{3}$      $\frac{6}{12}$      $\frac{3}{10}$      $\frac{4}{5}$      $\frac{3}{6}$



Part IV. Compare Fractions - Compare by writing  $<$ ,  $>$ , or  $=$  in the circle between the two fractions.

12.  $\frac{6}{8} \bigcirc \frac{3}{8}$     13.  $\frac{1}{2} \bigcirc \frac{3}{4}$     14.  $\frac{2}{3} \bigcirc \frac{5}{6}$     15.  $\frac{3}{8} \bigcirc \frac{1}{4}$     16.  $\frac{1}{3} \bigcirc \frac{4}{12}$

the voter. Write their names in least to greatest order according to the number of votes each student received.

# Student assessment pages in B&W. Answer keys include some color for easy grading.



## Comparing Fractions Quick Check A

Name \_\_\_\_\_  
Date \_\_\_\_\_

Compare using >, <, or =.

1.  $\frac{6}{8} \bigcirc \frac{2}{8}$       2.  $\frac{1}{4} \bigcirc \frac{3}{6}$       3.  $\frac{2}{5} \bigcirc \frac{2}{3}$       4.  $\frac{4}{8} \bigcirc \frac{1}{2}$

5.  $\frac{4}{5} \bigcirc \frac{8}{10}$       6.  $\frac{1}{2} \bigcirc \frac{3}{4}$       7.  $\frac{2}{3} \bigcirc \frac{3}{8}$       8.  $\frac{5}{12} \bigcirc \frac{3}{12}$

9. Write the fractions in least to greatest order.  $\frac{1}{2}$   $\frac{5}{8}$   $\frac{1}{4}$

10. Solve and circle the answer.

On Monday, Jasmine rode her bike to the park in  $\frac{1}{4}$  of an hour. On Tuesday, she rode her bike to the store in  $\frac{1}{3}$  of an hour. Which trip was faster?

Monday's trip to the park      Tuesday's trip to the store



## Comparing Fractions Quick Check A - Answer Key



Compare using >, <, or =.

1.  $\frac{6}{8} > \frac{2}{8}$       2.  $\frac{1}{4} < \frac{3}{6}$       3.  $\frac{2}{5} < \frac{2}{3}$       4.  $\frac{4}{8} = \frac{1}{2}$

5.  $\frac{4}{5} = \frac{8}{10}$       6.  $\frac{1}{2} < \frac{3}{4}$       7.  $\frac{2}{3} > \frac{3}{8}$       8.  $\frac{5}{12} > \frac{3}{12}$

9. Write the fractions in least to greatest order.  $\frac{1}{4}$   $\frac{5}{8}$   $\frac{1}{2}$

10. Solve and circle the answer.  
On Monday, Jasmine rode her bike to the park in  $\frac{1}{4}$  of an hour. On Tuesday, she rode her bike to the store in  $\frac{1}{3}$  of an hour. Which trip was faster?

Monday's trip to the park      Tuesday's trip to the store



## Comparing Fractions Quick Check A - Answer Key



Compare using >, <, or =.

1.  $\frac{6}{8} > \frac{2}{8}$       2.  $\frac{1}{4} < \frac{3}{6}$       3.  $\frac{2}{5} < \frac{2}{3}$       4.  $\frac{4}{8} = \frac{1}{2}$

5.  $\frac{4}{5} = \frac{8}{10}$       6.  $\frac{1}{2} < \frac{3}{4}$       7.  $\frac{2}{3} > \frac{3}{8}$       8.  $\frac{5}{12} > \frac{3}{12}$

9. Write the fractions in least to greatest order.  $\frac{1}{4}$   $\frac{5}{8}$   $\frac{1}{2}$

10. Solve and circle the answer.  
On Monday, Jasmine rode her bike to the park in  $\frac{1}{4}$  of an hour. On Tuesday, she rode her bike to the store in  $\frac{1}{3}$  of an hour. Which trip was faster?

Monday's trip to the park      Tuesday's trip to the store



## Comparing Fractions

Compare using >, <, or =.

1.  $\frac{6}{8} \bigcirc \frac{2}{8}$

5.  $\frac{4}{5} \bigcirc \frac{8}{10}$

9. Write the fractions in least to greatest order.

10. Solve and circle the answer.

On Monday, Jasmine rode her bike to the park in  $\frac{1}{4}$  of an hour. On Tuesday, she rode her bike to the store in  $\frac{1}{3}$  of an hour. Which trip was faster?

Monday's trip to the park      Tuesday's trip to the store

## Comparing Fractions Practice - Page 3



Part VIII. Illustrate and Compare - Compare the fractions below by completing the fraction bar illustrations. Then record the comparison by writing <, >, or = between the fractions.

26.  $\frac{1}{3} \bigcirc \frac{3}{4}$

27.  $\frac{5}{8} \bigcirc \frac{5}{6}$

Part IX. True or False

True False 28.

True False 29.

True False 30.

Part X. Compare Fractions

31.  $\frac{5}{12} \bigcirc \frac{1}{2}$

Bonus: The fraction comparison illustrations are incorrect in Problem #4. In the space below, illustrate the two fractions correctly and compare them using <, >, or =.

$\frac{3}{4} \bigcirc \frac{5}{8}$



## Comparing Fractions Test B - Page 2 Answer Key



Part VIII. Illustrate and Compare Fractions - Compare the fractions below by completing the fraction bar illustrations. Then record each comparison by writing <, >, or = between the two fractions.

26.  $\frac{3}{4} > \frac{2}{6}$

27.  $\frac{2}{3} < \frac{7}{8}$

Part IX. True or False - Decide if each statement is true or false and circle the correct word.

True False 28. When two fractions have the same denominator, the fraction with the larger numerator is the larger fraction.

True False 29. Sally started dinner at 6 pm. The rice took  $\frac{1}{3}$  of an hour to cook. The chicken baked for half an hour. The chicken cooked faster than the rice.

True False 30. The running trail was a mile long. Tara ran  $\frac{7}{8}$  of a mile and walked the rest of the way. Tara ran more than  $\frac{2}{3}$  of the length of the trail.

Part X. Compare Fractions - Compare by writing <, >, or = in the circle between the two fractions.

31.  $\frac{6}{12} = \frac{5}{10}$       32.  $\frac{2}{6} < \frac{5}{8}$       33.  $\frac{2}{3} > \frac{7}{12}$

Bonus: The fraction comparison illustrations are incorrect in Problem #4. In the space below, illustrate the two fractions correctly and compare them using <, >, or =.

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

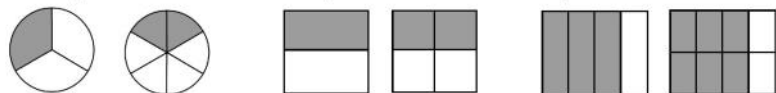
# Aligned with 4th Grade CCSS, but can be used in any grade where these skills are taught.



## Comparing Fractions Practice - Page 1 Answer Key



Part I. Equivalent Fractions - Write the equivalent fractions under each pair of fraction illustrations.



1.  $\frac{1}{3} = \frac{2}{6}$       2.  $\frac{1}{2} = \frac{2}{4}$       3.  $\frac{3}{4} = \frac{6}{8}$

Part II. Fraction Bar Illustrations - Study the fraction bar comparison illustrations below.



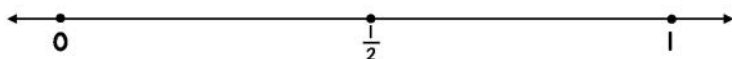
What's wrong with the illustrations used to compare these two fractions?

The bottom fraction bar has 7 out of 8 parts shaded instead of 5 out of 8. This makes it look like 5/8 is greater than 3/4, but 3/4 is actually greater.

Part III. Compare Fractions to Benchmarks - Compare each of the six fractions below to the benchmarks on the number line. Then write each fraction in the box below the line where it belongs.

Problems 5 - 11

$\frac{9}{12}$     $\frac{3}{6}$     $\frac{1}{4}$     $\frac{5}{10}$     $\frac{3}{8}$     $\frac{4}{6}$



Write the fractions in the boxes

Less than  $\frac{1}{2}$   
 $\frac{1}{4}$     $\frac{3}{8}$

Equal to  $\frac{1}{2}$   
 $\frac{3}{6}$     $\frac{5}{10}$

Greater than  $\frac{1}{2}$   
 $\frac{4}{6}$     $\frac{9}{12}$

Part IV. Compare Fractions - Compare by writing <, >, or = in the circle between the two fractions.

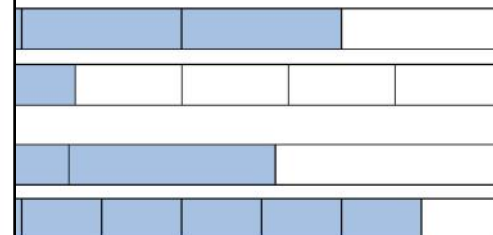
$\frac{7}{8} > \frac{2}{8}$     $\frac{1}{2} > \frac{3}{10}$     $\frac{2}{3} = \frac{4}{6}$     $\frac{1}{5} < \frac{1}{3}$     $\frac{2}{3} > \frac{4}{12}$



## Comparing Fractions Test B - Page 2 Answer Key



Part VIII. Illustrate and Compare Fractions - Compare the fractions below by completing the fraction bar illustration. Then write a comparison by writing <, >, or = between the two fractions.



## Comparing Fractions Practice - Page 2 Answer Key



Problems 12 - 17 - Compare each pair of fractions. Write <, >, or = to describe at least one strategy you used to solve each problem.

12.  $\frac{5}{8}$  and  $\frac{2}{8}$  have the same denominator, so I compared numerators. I know that  $5 > 2$ , so  $\frac{5}{8}$  is greater than  $\frac{2}{8}$ .

13.  $\frac{3}{4}$  and  $\frac{1}{2}$  both fractions to one half. I know that  $\frac{3}{4}$  is equal to half more than half, so  $\frac{3}{4}$  must be the larger fraction.

14.  $\frac{2}{3}$  and  $\frac{4}{6}$  least common denominator which was 6.  $\frac{2}{3}$  equals  $\frac{4}{6}$  and 4 more than 1 out of 6.

15. Write each set of fractions in least to greatest order.

21.  $\frac{2}{5}$   $\frac{7}{10}$   $\frac{1}{2}$   $\frac{2}{5}$   $\frac{1}{2}$   $\frac{7}{10}$       22.  $\frac{2}{3}$   $\frac{2}{12}$   $\frac{1}{4}$   $\frac{2}{12}$   $\frac{1}{4}$   $\frac{2}{3}$

16. Solve each problem and record your answer on the line.

17. My favorite ice cream flavor. One-sixth of the class voted for chocolate, and one-third of the class voted for vanilla. Which flavor was the most popular?

23. Chocolate

18. I wrote 100 words on Monday and finished the other  $\frac{5}{8}$  of my story on Tuesday. Which day did she write more?

24. Tuesday

19. I ran to the oak tree. Pete reached the tree in  $\frac{5}{8}$  of a minute, and it took Ray  $\frac{2}{3}$  of a minute to get there. If the winner was the boy with the faster time, who won?

25. Ray

20. The statement is true or false and circle the correct word.

21. Fractions with the same denominator, the fraction with the larger numerator is the larger fraction.

22. The chicken was cooked for 6 pm. The rice took  $\frac{1}{3}$  of an hour to cook. The chicken was cooked faster than the rice.

23. The trail was a mile long. Tara ran  $\frac{7}{8}$  of a mile and walked the rest. Tara ran more than  $\frac{2}{3}$  of the length of the trail.

24. Compare the two fractions by writing <, >, or = in the circle between the two fractions.

25.  $\frac{5}{8} < \frac{7}{12}$       33.  $\frac{2}{3} > \frac{7}{12}$

26. The fractions are incorrect in Problem #4. In the space below, correct them and compare them using <, >, or =.

