

Chapter 8 Review

Name: \_\_\_\_\_

1. Compare the fractions. Write  $>$ ,  $<$ , or  $=$  for the  $\bigcirc$ .

$$\frac{3}{4} \bigcirc \frac{7}{4}$$

2.  $6 \times 3 =$  \_\_\_\_\_

3. Use words to write 117,459 and 352,646. Which number is greater?

4. Use words to write 8.3 and 6.2. Which number is greater?

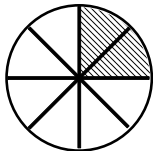
5. There were 5 cats that climbed a tree. Two cats came down and chased a bird. What fraction of the cats were left in the tree?

6. Write a fraction that is equivalent to  $\frac{4}{4}$ .

7. Write a fraction that is equivalent to  $1\frac{3}{4}$ .

8. Write a whole number or a mixed number that is equivalent to  $\frac{13}{4}$ .

9. What fraction of the circle is shaded?



10. Write a mixed number, whole number, or fraction that is equivalent to  $3\frac{4}{5}$ .
11. There were 16 girls sitting at 2 tables. The same number of girls sat at each table. How many girls sat at each table?
12. Write three hundred ninety-three thousand, four hundred seventy-eight in standard form. Underline the ten thousands place, circle the hundreds place, and draw an X through the tens place.
13. How much are  
 8 [4s]?  
 8 [40s]?  
 80 [4s]?  
 80 [40s]?

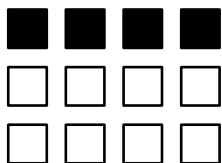
14. Add lines and shading to the fraction bar below to show  $\frac{6}{9}$  shaded.



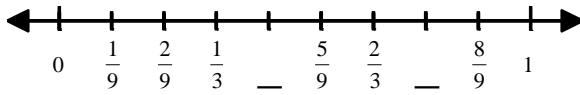
15. Write a fraction for the shaded part.



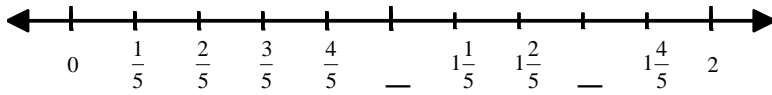
16. Write a fraction for the shaded part.



17. Write the missing fractions.



18. Write the missing fractions.



19. Write 5 names in the name-collection box.

$\frac{1}{4}$

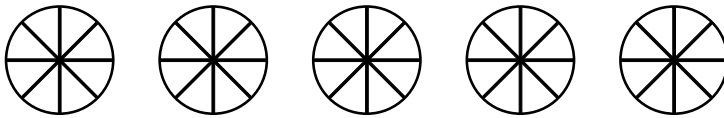
20. Cross out the names that do not belong in the name-collection box. Then add one more name.

$\frac{5}{6}$		
$\frac{35}{42}$	$\frac{31}{36}$	$\frac{16}{18}$
$\frac{20}{24}$	$\frac{39}{48}$	$\frac{24}{30}$
six sevenths		

21. List the fractions below that are greater than  $\frac{5}{12}$ .

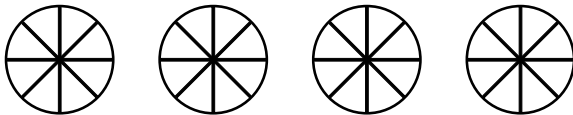
$$\frac{13}{12}, \frac{1}{11}, \frac{1}{6}, \frac{2}{9}, \frac{3}{4}, \frac{3}{10}$$

22. Shade the circles to match  $\frac{37}{8}$ .



Write another name for  $\frac{37}{8}$ .

23. Shade the circles to match  $3\frac{3}{4}$ .



Write another name for  $3\frac{3}{4}$ .

- 24.** *The last chapter in Chloe's book has 63 pages. If Chloe reads 7 pages in her book each day, how long will it take her to read the last chapter?  
What fraction of the last chapter will she read each day?*
- 25.** *Dimitri painted posters for the school fair for one sixth of an hour. Alphonse painted posters for three tenths of an hour. Who painted longer? Explain how you got your answer.*
- 26.** *There were 4 cars in a garage. Two cars were driven away. What fraction of the cars were left in the garage?*

**27. Play the Equivalent Fractions Game (Advanced Version) (Partner activity), Lesson 8.8**

**FOR THE TEACHER:**

**Materials:**

- Deck of 32 Fraction Cards (Math Journal 2, Activity Sheets 7 and 8), one deck for each pair of students
- Half-sheets of paper for recording equivalent fraction pairs, one for each student

**FOR THE STUDENT:**

**Directions:**

1. Mix the Fraction Cards. Put them in a stack, picture-side down.
2. Take the top card from the stack. Place it on the table with the picture-side up.
3. Take turns. When it is your turn, take the top card from the stack, **but do not turn it over** (keep the picture-side down). Try to match the fraction with one of the picture-side-up cards on the table.
  - If you find a match, turn the card over to see if you matched the cards correctly. If you did, take both cards. Record the pair of fractions on your paper. If there are no cards left picture-side up, turn the top card over.
  - If there is a match but you did not find it, the other player can take the matching cards.
  - If there is no match, place your card next to the other cards, picture-side up. Your turn is over. (See **Example.**)
4. The game ends when all cards have been matched. The player with more cards wins.

**EXAMPLE**

The top card is turned over and put on the table. The picture shows  $\frac{4}{6}$ .

Player 1 takes the top card, which says  $\frac{2}{3}$ . This card matches  $\frac{4}{6}$ . Player 1 turns the  $\frac{2}{3}$  card over to make sure he matched them correctly, and then takes both cards. Player 1 turns over the top card and puts it near the stack. It shows  $\frac{6}{8}$ .

Player 2 takes the next card, which says  $\frac{0}{4}$ . There is no match. The card is placed picture side up, next to  $\frac{6}{8}$ . It is Player 1's turn.

**28. Play Fraction Top-It (Advanced Version) (Partner activity), Lesson 8.8**

**FOR THE TEACHER:**

**Materials:**

- Deck of 32 Fraction Cards (Math Journal 2, Activity Sheets 7 and 8), one deck for each pair of students
- Paper for recording last round, one for each student

**FOR THE STUDENT:**

**Directions:**

1. Put the 32 cards in a stack, picture-side down. Each player takes a card from the top of the deck **but does not turn it over**. The shaded sides of the cards remain picture-side down.
2. Take turns. When it is your turn, say whether your fraction is greater than, less than, or equivalent to your partner's fraction.
3. Turn the cards over and compare the shaded parts. If you were correct, take both cards. If you were wrong, your partner takes both cards. (See **Examples.**)
4. The game is over when all cards have been taken from the stack. The player with more cards wins.
5. On your paper, record the pair of fractions you compared for your last round. Write an explanation of which fraction is larger and how you know.

**EXAMPLE 1**

Joel draws a  $\frac{4}{6}$  card. Sue draws a  $\frac{1}{3}$  card. It is Joel's turn, and he says that his fraction is greater than Sue's. They compare shaded areas. Joel was correct, and he takes both cards.

**EXAMPLE 2**

Joel draws a  $\frac{2}{8}$  card. Sue draws a  $\frac{1}{4}$  card. It is Sue's turn, and she says that her fraction is less than Joel's. They turn the cards over and find that the shaded areas are equal. The fractions are equivalent. Sue was wrong, so Joel takes both cards.

**29. Write and Solve Fraction Number Stories (Independent activity), Lesson 8.8**

**FOR THE TEACHER:**

**Materials:**

- Blank paper or photocopies of Math Masters, page 23, “A Number Story,” one for each student

**FOR THE STUDENT:**

**Directions:**

- Make up a number story that uses fractions.
- Solve your number story. Show or explain the strategy you used to solve the problem. Use any method you like—such as using counters, drawing pictures, and so on.

**30.** Compare the fractions. Write  $>$ ,  $<$ , or  $=$  for the  $\bigcirc$ .

$$\frac{5}{6} \bigcirc \frac{3}{12}$$

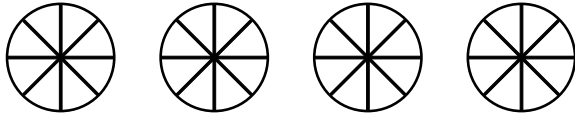
**31.** List the fractions below that are greater than  $\frac{2}{3}$ .

$$\frac{1}{2}, \frac{6}{7}, \frac{4}{3}, \frac{1}{12}, \frac{1}{8}, \frac{10}{11}$$

**32.** Write a fraction that is equivalent to  $5\frac{1}{6}$ .

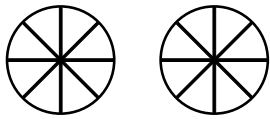
**33.** Write a whole number or a mixed number that is equivalent to  $\frac{17}{10}$ .

34. Shade the circles to match  $\frac{27}{8}$ .



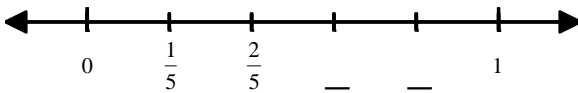
Write another name for  $\frac{27}{8}$ .

35. Shade the circles to match  $1\frac{3}{8}$ .

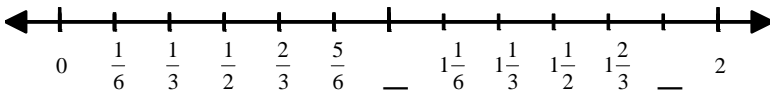


Write another name for  $1\frac{3}{8}$ .

36. Write the missing fractions.



37. Write the missing fractions.



38. Write a fraction that is equivalent to  $\frac{2}{12}$ .

39. Write a mixed number, whole number, or fraction that is equivalent to  $\frac{196}{28}$ .

40. Write 5 names in the name-collection box.

$\frac{7}{8}$

41. Cross out the names that do not belong in the name-collection box. Then add one more name.

$\frac{7}{12}$		
$\frac{42}{72}$	$\frac{21}{36}$	$\frac{28}{48}$
$\frac{55}{96}$	$\frac{35}{60}$	$\frac{48}{84}$
fourteen twenty-fourths		

42. There were 8 leaves on a branch. Three leaves fell from the branch. What fraction of the leaves were left on the branch?
43. Fran buys a pack of gum with 45 pieces. If Fran chews 5 pieces each day, how long will it take her to finish the pack?  
What fraction of the pack will she chew each day?

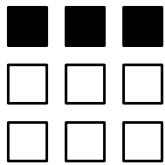
44. Marla swam one third of an hour. LaShonda swam for five sixths of an hour. Who swam longer? Explain how you got your answer.

45. There were 6 boats at a dock. Two boats were sailed away. What fraction of the boats were left at the dock?

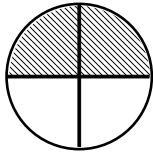
46. Write a fraction for the shaded part.



47. Write a fraction for the shaded part.



48. What fraction of the circle is shaded?



49. Add lines and shading to the fraction bar below to show  $\frac{1}{9}$  shaded.

