

Name \_\_\_\_\_



Date \_\_\_\_\_

(Answer ID # 0801653)

## Fractions

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

1.  $\frac{3}{4} \bigcirc \frac{18}{4}$

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

7.  $\frac{5}{15} \bigcirc \frac{1}{5}$

10.  $\frac{3}{4} \bigcirc \frac{12}{11}$

13.  $\frac{5}{10} \bigcirc \frac{1}{10}$

16.  $\frac{13}{5} \bigcirc \frac{1}{5}$

19.  $\frac{3}{4} \bigcirc \frac{6}{12}$

22.  $\frac{5}{10} \bigcirc \frac{1}{2}$

25.  $\frac{2}{3} \bigcirc \frac{2}{15}$

28.  $\frac{2}{4} \bigcirc \frac{10}{4}$

2.  $\frac{4}{6} \bigcirc \frac{2}{3}$

5.  $1 \bigcirc \frac{1}{3}$

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

11.  $\frac{3}{9} \bigcirc \frac{8}{9}$

14.  $\frac{7}{2} \bigcirc \frac{1}{2}$

17.  $1 \bigcirc \frac{3}{9}$

20.  $\frac{1}{10} \bigcirc \frac{1}{9}$

23.  $\frac{9}{15} \bigcirc \frac{4}{5}$

26.  $\frac{2}{7} \bigcirc \frac{6}{7}$

29.  $\frac{2}{4} \bigcirc 1$

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

6.  $\frac{2}{9} \bigcirc \frac{2}{3}$

9.  $\frac{3}{10} \bigcirc \frac{1}{2}$

12.  $\frac{1}{3} \bigcirc \frac{1}{6}$

15.  $\frac{2}{4} \bigcirc \frac{2}{8}$

18.  $\frac{3}{15} \bigcirc \frac{1}{5}$

21.  $\frac{1}{3} \bigcirc \frac{3}{8}$

24.  $\frac{1}{9} \bigcirc \frac{1}{7}$

27.  $\frac{1}{2} \bigcirc \frac{8}{13}$

30.  $\frac{2}{7} \bigcirc \frac{1}{4}$

Name \_\_\_\_\_

Date \_\_\_\_\_  
(Answer ID # 0448466)

## Fractions

Write each mixed number as an improper fraction in simplest form.

1.  $1\frac{5}{10}$

2.  $4\frac{2}{4}$

3.  $5\frac{11}{12}$

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

5.  $6\frac{3}{5}$

6.  $2\frac{6}{7}$

7.  $2\frac{1}{3}$

8.  $5\frac{5}{11}$

9.  $6\frac{3}{6}$

10.  $3\frac{7}{8}$

11.  $4\frac{8}{9}$

12.  $1\frac{1}{2}$

13.  $4\frac{1}{4}$

14.  $1\frac{3}{7}$

15.  $5\frac{4}{5}$

16.  $3\frac{6}{9}$

17.  $6\frac{7}{12}$

18.  $2\frac{3}{6}$

19.  $6\frac{2}{3}$

20.  $3\frac{4}{10}$

21.  $5\frac{8}{11}$

22.  $4\frac{5}{8}$

23.  $1\frac{11}{12}$

24.  $5\frac{9}{10}$

25.  $1\frac{1}{4}$

26.  $6\frac{1}{2}$

27.  $2\frac{3}{5}$

28.  $4\frac{6}{7}$

29.  $6\frac{7}{11}$

30.  $4\frac{2}{8}$

31.  $2\frac{2}{6}$

32.  $5\frac{1}{3}$

Name \_\_\_\_\_



Date \_\_\_\_\_

(Answer ID # 0946228)

## Fractions

Complete. Write your answer as a mixed number in simplest form.

$$\begin{array}{r} 1. \quad \frac{1}{2} \\ + \frac{8}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad \frac{1}{2} \\ - \frac{3}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad \frac{4}{9} \\ + \frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad \frac{1}{2} \\ - \frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad \frac{2}{4} \\ + \frac{4}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad \frac{5}{6} \\ - \frac{6}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad \frac{4}{8} \\ - \frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad \frac{3}{6} \\ + \frac{3}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad \frac{1}{2} \\ + \frac{2}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad \frac{6}{7} \\ - \frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad \frac{7}{9} \\ - \frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad \frac{6}{8} \\ + \frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad \frac{4}{5} \\ - \frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad \frac{1}{2} \\ - \frac{2}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad \frac{2}{4} \\ + \frac{3}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad \frac{5}{6} \\ + \frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad \frac{2}{3} \\ - \frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad \frac{8}{9} \\ + \frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 19. \quad \frac{7}{8} \\ + \frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad \frac{3}{5} \\ - \frac{1}{3} \\ \hline \end{array}$$

Name \_\_\_\_\_



Date \_\_\_\_\_

(Answer ID # 0484562)

## Fractions

Complete. Write your answer as a mixed number in simplest form.

$$\begin{array}{r} 1. \quad 1\frac{4}{5} \\ + \quad 1\frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 6\frac{7}{8} \\ - \quad \quad \frac{3}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad \quad \frac{2}{3} \\ + \quad 3\frac{8}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad 3\frac{4}{6} \\ - \quad 2\frac{2}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad 2\frac{1}{2} \\ - \quad \quad \frac{4}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad \quad \frac{5}{7} \\ + \quad 5\frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad 2\frac{1}{4} \\ + \quad 2\frac{7}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad 5\frac{3}{4} \\ - \quad 3\frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad 2\frac{2}{7} \\ + \quad \quad \frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad 5\frac{7}{8} \\ - \quad 1\frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad 4\frac{1}{2} \\ + \quad 6\frac{1}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad 3\frac{4}{5} \\ - \quad 3\frac{8}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 13. \quad 1\frac{5}{9} \\ + \quad 2\frac{5}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 14. \quad 1\frac{2}{3} \\ - \quad \quad \frac{3}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 15. \quad 2\frac{1}{6} \\ + \quad 2\frac{1}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 16. \quad 5\frac{5}{7} \\ - \quad 5\frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 17. \quad 4\frac{7}{10} \\ - \quad 4\frac{3}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 18. \quad 3\frac{6}{9} \\ + \quad 3\frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 19. \quad \quad \frac{4}{8} \\ - \quad \quad \frac{2}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 20. \quad 2\frac{1}{4} \\ + \quad 1\frac{1}{2} \\ \hline \end{array}$$

Name \_\_\_\_\_

Date \_\_\_\_\_  
(Answer ID # 0855029)

## Fractions

Multiply. Write the answer in simplest form.

1. $\frac{6}{9} \cdot \frac{4}{6}$	2. $\frac{3}{4} \cdot \frac{1}{2}$	3. $\frac{1}{7} \cdot \frac{5}{8}$
4. $\frac{1}{3} \cdot \frac{4}{5}$	5. $\frac{5}{6} \cdot \frac{2}{8}$	6. $\frac{6}{9} \cdot \frac{1}{2}$
7. $\frac{7}{14} \cdot \frac{1}{3}$	8. $\frac{2}{5} \cdot \frac{7}{11}$	9. $\frac{8}{12} \cdot \frac{4}{18}$
10. $\frac{3}{7} \cdot \frac{6}{19}$	11. $\frac{5}{10} \cdot \frac{3}{4}$	12. $\frac{7}{8} \cdot \frac{1}{9}$
13. $\frac{4}{6} \cdot \frac{2}{4}$	14. $\frac{3}{12} \cdot \frac{5}{14}$	15. $\frac{1}{19} \cdot \frac{11}{18}$
16. $\frac{4}{5} \cdot \frac{2}{3}$	17. $\frac{1}{2} \cdot \frac{7}{11}$	18. $\frac{1}{2} \cdot \frac{3}{6}$
19. $\frac{2}{3} \cdot \frac{14}{16}$	20. $\frac{18}{19} \cdot \frac{6}{7}$	21. $\frac{3}{8} \cdot \frac{8}{14}$
22. $\frac{4}{9} \cdot \frac{1}{10}$	23. $\frac{1}{2} \cdot \frac{2}{8}$	24. $\frac{8}{13} \cdot \frac{11}{19}$

Name \_\_\_\_\_



Date \_\_\_\_\_

(Answer ID # 0896244)

## Fractions

Multiply. Write the answer in simplest form.

1. $6\frac{3}{9} \cdot 8\frac{4}{6}$	2. $\frac{6}{8} \cdot 12\frac{1}{2}$	3. $\frac{1}{5} \cdot 7\frac{1}{3}$
4. $10\frac{3}{7} \cdot \frac{2}{4}$	5. $4\frac{4}{6} \cdot \frac{2}{3}$	6. $5\frac{3}{4} \cdot 3\frac{1}{2}$
7. $2\frac{9}{13} \cdot 9\frac{4}{7}$	8. $\frac{7}{10} \cdot 1\frac{1}{5}$	9. $11\frac{3}{6} \cdot \frac{2}{4}$
10. $\frac{14}{19} \cdot 8\frac{1}{2}$	11. $7\frac{10}{17} \cdot 3\frac{8}{12}$	12. $10\frac{9}{10} \cdot \frac{5}{7}$
13. $2\frac{2}{11} \cdot 12\frac{4}{5}$	14. $6\frac{15}{18} \cdot \frac{1}{8}$	15. $\frac{9}{15} \cdot 9\frac{6}{9}$
16. $5\frac{1}{2} \cdot 4\frac{1}{8}$	17. $\frac{8}{9} \cdot 1\frac{9}{17}$	18. $11\frac{2}{7} \cdot \frac{4}{11}$
19. $8\frac{2}{4} \cdot \frac{1}{3}$	20. $10\frac{11}{14} \cdot \frac{5}{13}$	21. $7\frac{4}{6} \cdot 6\frac{6}{7}$
22. $\frac{7}{9} \cdot 12\frac{9}{15}$	23. $3\frac{1}{3} \cdot 11\frac{2}{11}$	24. $\frac{5}{10} \cdot 4\frac{13}{14}$

Name \_\_\_\_\_

Date \_\_\_\_\_  
(Answer ID # 0868248)

## Decimals

Write each as a fraction.

- |   |   |                                |
|---|---|--------------------------------|
| 1. sixty-six and five hundred fifteen thousandths   | 2. eight and six hundredths                     | 3. 7 tenths                    |
| 4. 0.6  | 5. 0.10   | 6. 4.9                         |
| 7. 88 hundredths                                    | 8. sixty and nine hundred sixty-two thousandths | 9. two thousandths             |
| 10. seven and three hundred seventy-two thousandths | 11. fifteen hundredths                          | 12. 5.807                      |
| 13. 0.09  | 14. 93.6  | 15. 0.471                      |
| 16. five tenths                                     | 17. nine and sixty-two hundredths               | 18. two and two tenths         |
| 19. 6.8   | 20. 0.530                                       | 21. three and seven hundredths |
| 22. 156 thousandths                                 | 23. 14.9  | 24. thirty-seven hundredths    |
| 25. one and seventy-two hundredths                  | 26. 644 thousandths                             | 27. 0.2                        |
| 28. forty-seven hundredths                          | 29. one and four hundredths                     | 30. 9.771                      |
| 31. 0.843   | 32. 272 thousandths                             | 33. 5.6                        |
| 34. 0.08  | 35. six and three tenths                        | 36. two and nine tenths        |

Name \_\_\_\_\_

Date \_\_\_\_\_  
(Answer ID # 0550814)

## Decimals

Write each as a decimal.

1. 5 tenths	2. two and four tenths	3. $\frac{933}{1000}$	4. four thousandths
5. eight and one hundred ninety-one thousandths	6. $1\frac{6}{10}$	7. twelve and sixty-six hundredths	8. $5\frac{36}{100}$
9. 70 hundredths	10. fifty-four and seven tenths	11. $\frac{9}{1000}$	12. thirty-five hundredths
13. $7\frac{54}{100}$	14. $6\frac{1}{10}$	15. eight hundred fifty-seven thousandths	16. 65 hundredths
17. $\frac{9}{10}$	18. $9\frac{8}{1000}$	19. six tenths	20. three and four tenths
21. 7 tenths	22. seventy-four and three hundred eighty thousandths	23. $4\frac{1}{100}$	24. eighty hundredths
25. $2\frac{6}{1000}$	26. 763 thousandths	27. sixty-two hundredths	28. $5\frac{368}{1000}$
29. $8\frac{5}{10}$	30. three and two tenths	31. $4\frac{346}{1000}$	32. nineteen hundredths
33. 86 hundredths	34. $\frac{7}{10}$	35. twenty-two and eight hundred sixty-one thousandths	36. 952 thousandths

Name \_\_\_\_\_



Date \_\_\_\_\_

1. Sarah told her father that she needed 91 inches of rope to make a double jump rope. He said that he needed to know how many feet of rope she wanted. Change 91 inches to feet.
2. Mr. Clark made 100 cups of chocolate milk for the party. Each person at the party drank 3 cups of milk. There were 7 cups left over. How many people were at the party?
3. Mrs. Martinez makes \$1,364 every two weeks. Life insurance (\$10.23), health insurance (\$129.35), dental insurance (\$47.72), vision insurance (\$10.47), Federal taxes (\$256.11), and state taxes (\$82.66) are all taken out of that amount. How much money is left in Mrs. Martinez's paycheck after all these amounts are taken out?
4. Kyle marched with the high school band in the Flag Day parade. It took him 21 minutes to put on his uniform, 20 minutes to walk to school, 45 minutes to get his music and his trombone together, and 15 minutes to walk to where the parade started. He left home at 8:00 a.m. What time did he get to the parade?
5. Hunter said his father is taller than John's father. Hunter's father is 73.4 inches tall. Write that number in word form.
6. The chief of police in Maryville estimated that there were 10,390 people at the Flag Day parade. Write that number in expanded form and in word form.
7. Dylan bought 13 packages of hot dogs for the National Hot Dog Month picnic. Each package weighed 14 ounces. How many pounds of hot dogs did he buy?
8. For the summer program 150 children came to the park. They were divided into 6 groups. How many children were in each group?
9. Abigail and Christina left their house at 9:34 a.m. to go to the beach. They returned home tired and sunburned at 4:20 p.m. How long had they been away?
10. Savannah bought 2 bags of candy. Each bag had 33 pieces in it. She divided the candy equally among her 5 friends. What is the greatest number of pieces each friend could get with more than 9 pieces left over?

Name \_\_\_\_\_



Date \_\_\_\_\_

(Answer ID # 0982246)

## Number Theory

List all of the factors of each number.

1. 33	2. 20	3. 37	4. 38
5. 28	6. 22	7. 48	8. 11
9. 13	10. 10	11. 46	12. 26
13. 43	14. 32	15. 44	16. 34
17. 36	18. 14	19. 21	20. 89
21. 93	22. 64	23. 87	24. 39
25. 65	26. 41	27. 68	28. 71
29. 73	30. 78	31. 50	32. 19
33. 74	34. 91	35. 45	36. 42
37. 92	38. 29	39. 53	40. 62

Name \_\_\_\_\_

Date \_\_\_\_\_  
(Answer ID # 0660664)

## Number Theory

Fill in the missing multiple.

1. \_\_\_\_\_, 42, 56, 70, 84

3. 40, 50, 60, \_\_\_\_\_, 80

5. 56, 64, 72, 80, \_\_\_\_\_

7. 72, 84, 96, \_\_\_\_\_, 120

9. 25, 30, 35, \_\_\_\_\_, 45

11. 6, 8, 10, 12, \_\_\_\_\_

13. \_\_\_\_\_, 108, 126, 144, 162

15. 63, 72, \_\_\_\_\_, 90, 99

17. 36, 42, 48, 54, \_\_\_\_\_

19. 39, \_\_\_\_\_, 65, 78, 91

21. 38, 57, 76, \_\_\_\_\_, 114

23. 51, 68, \_\_\_\_\_, 102, 119

25. 72, \_\_\_\_\_, 108, 126, 144

27. 20, \_\_\_\_\_, 40, 50, 60

29. 4, 6, 8, 10, \_\_\_\_\_

2. 96, 112, \_\_\_\_\_, 144, 160

4. 12, 16, 20, 24, \_\_\_\_\_

6. 75, 90, 105, \_\_\_\_\_, 135

8. 91, 104, \_\_\_\_\_, 130, 143

10. \_\_\_\_\_, 33, 44, 55, 66

12. 76, 95, \_\_\_\_\_, 133, 152

14. 9, 12, \_\_\_\_\_, 18, 21

16. \_\_\_\_\_, 21, 28, 35, 42

18. \_\_\_\_\_, 85, 102, 119, 136

20. 77, \_\_\_\_\_, 99, 110, 121

22. 80, 96, \_\_\_\_\_, 128, 144

24. \_\_\_\_\_, 12, 16, 20, 24

26. 15, \_\_\_\_\_, 25, 30, 35

28. 45, 60, 75, \_\_\_\_\_, 105

30. 45, 54, 63, 72, \_\_\_\_\_