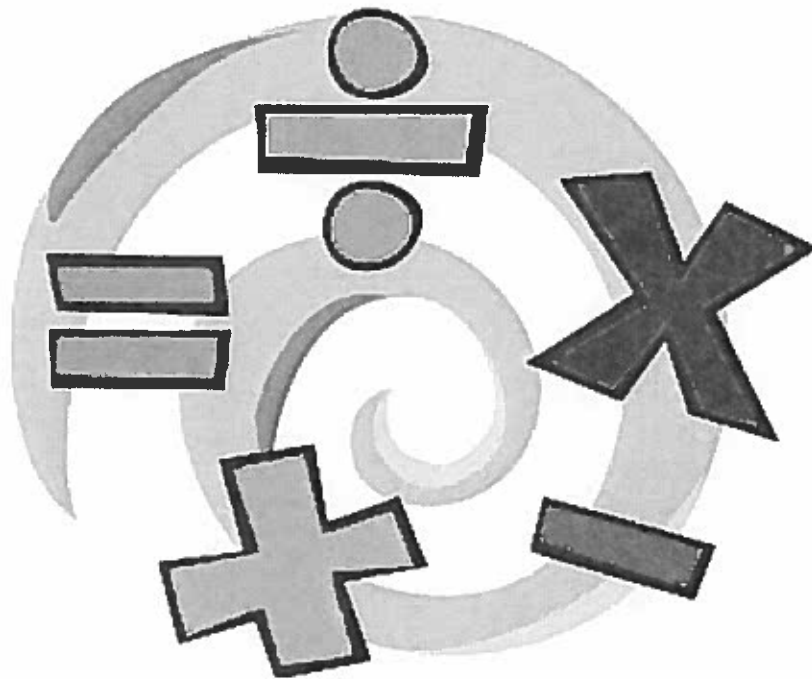


No Brain Freeze, Please!



For Incoming 5th Graders
Traut Core Knowledge School

Name _____

Find the quotients.

	A	B	C	D	E	F	G	H	I	J
1.	$2\overline{)2}$	$3\overline{)9}$	$8\overline{)32}$	$7\overline{)49}$	$5\overline{)10}$	$4\overline{)0}$	$1\overline{)1}$	$4\overline{)8}$	$2\overline{)12}$	$9\overline{)54}$
2.	$1\overline{)3}$	$1\overline{)2}$	$2\overline{)4}$	$2\overline{)14}$	$8\overline{)8}$	$7\overline{)63}$	$8\overline{)40}$	$5\overline{)0}$	$4\overline{)4}$	$1\overline{)0}$
3.	$4\overline{)12}$	$9\overline{)45}$	$9\overline{)0}$	$6\overline{)6}$	$3\overline{)12}$	$1\overline{)7}$	$3\overline{)0}$	$1\overline{)9}$	$2\overline{)16}$	$3\overline{)3}$
4.	$3\overline{)15}$	$5\overline{)20}$	$3\overline{)18}$	$3\overline{)6}$	$5\overline{)15}$	$7\overline{)0}$	$9\overline{)27}$	$4\overline{)16}$	$7\overline{)21}$	$8\overline{)0}$
5.	$4\overline{)20}$	$7\overline{)28}$	$8\overline{)16}$	$6\overline{)0}$	$3\overline{)21}$	$9\overline{)18}$	$4\overline{)24}$	$2\overline{)6}$	$1\overline{)8}$	$5\overline{)35}$
6.	$7\overline{)35}$	$3\overline{)27}$	$6\overline{)36}$	$3\overline{)24}$	$2\overline{)0}$	$4\overline{)32}$	$9\overline{)9}$	$4\overline{)36}$	$6\overline{)42}$	$5\overline{)40}$
7.	$8\overline{)64}$	$7\overline{)14}$	$6\overline{)30}$	$8\overline{)56}$	$1\overline{)5}$	$4\overline{)28}$	$9\overline{)63}$	$7\overline{)56}$	$8\overline{)24}$	$6\overline{)24}$
8.	$9\overline{)81}$	$6\overline{)48}$	$6\overline{)18}$	$7\overline{)42}$	$2\overline{)10}$	$6\overline{)54}$	$9\overline{)36}$	$5\overline{)45}$	$8\overline{)72}$	$2\overline{)8}$
9.	$9\overline{)72}$	$1\overline{)6}$	$5\overline{)25}$	$5\overline{)5}$	$2\overline{)18}$	$5\overline{)30}$	$6\overline{)12}$	$1\overline{)4}$	$8\overline{)48}$	$7\overline{)7}$

Name _____

Place Value Through Thousands

Write the numbers from the box that have:

1. 8 in the tens place _____
2. 6 in the hundred thousands place _____
3. 5 in the thousands place _____
4. 4 in the hundreds place _____
5. 7 in the ten thousands place _____

492
6,357
5,968
26,846
45,183
50,406
634,582
572,031

Write each number in standard form.

6. $50,000 + 400 + 20 + 8$ _____
7. $200,000 + 6,000 + 90 + 1$ _____
8. fifteen thousand, three hundred twenty-one _____
9. sixty-four thousand, thirty-seven _____
10. two hundred ninety-five thousand, eight hundred sixty-four _____

Write each number in expanded form.

11. 4,362 _____
12. 28,567 _____
13. 49,081 _____
14. 529,680 _____
15. 670,415 _____

Name _____

Thousandths

Write the place-value of the 4 in each decimal.

1. 6.324 _____ 2. 14.720 _____ 3. 18.341 _____

4. 4.631 _____ 5. 19.542 _____ 6. 0.465 _____

Write the place-value name of the 9 in each decimal.

7. 39.481 _____ 8. 0.769 _____ 9. 2.896 _____

10. 1.395 _____ 11. 7.249 _____ 12. 10.954 _____

Write each number in standard form.

13. two and three hundred sixty-four thousandths _____

14. nine hundred twenty-five thousandths _____

15. four and sixteen hundredths _____

16. nineteen and twenty-three thousandths _____

17. eighty-one thousandths _____

18. twenty-seven and forty-three hundredths _____

19. two hundred sixty-four and seven tenths _____

20. fifty-three and six thousandths _____

Write the word name for each decimal.

21. 5.031 _____

22. 4.628 _____

23. 0.905 _____

Name _____

Rounding Whole Numbers

Round to the nearest ten.

1. 275 _____ 2. 462 _____ 3. 586 _____

4. 3,144 _____ 5. 8,633 _____ 6. 4,286 _____

Round to the nearest hundred.

7. 465 _____ 8. 6,130 _____ 9. 3,642 _____

10. 2,451 _____ 11. 4,890 _____ 12. 10,135 _____

13. 14,587 _____ 14. 26,483 _____ 15. 42,050 _____

16. 6,452 _____ 17. 210 _____ 18. 22,361 _____

Round to the nearest thousand.

19. 4,631 _____ 20. 2,503 _____ 21. 7,821 _____

22. 21,965 _____ 23. 16,489 _____ 24. 40,634 _____

25. 8,099 _____ 26. 34,530 _____ 27. 18,000 _____

Round to the nearest ten thousand.

28. 373,456 _____ 29. 785,692 _____ 30. 250,416 _____

31. 919,622 _____ 32. 462,460 _____ 33. 379,907 _____

34. 558,285 _____ 35. 247,003 _____ 36. 999,534 _____

Round each number to the greatest possible place, the place farthest left.

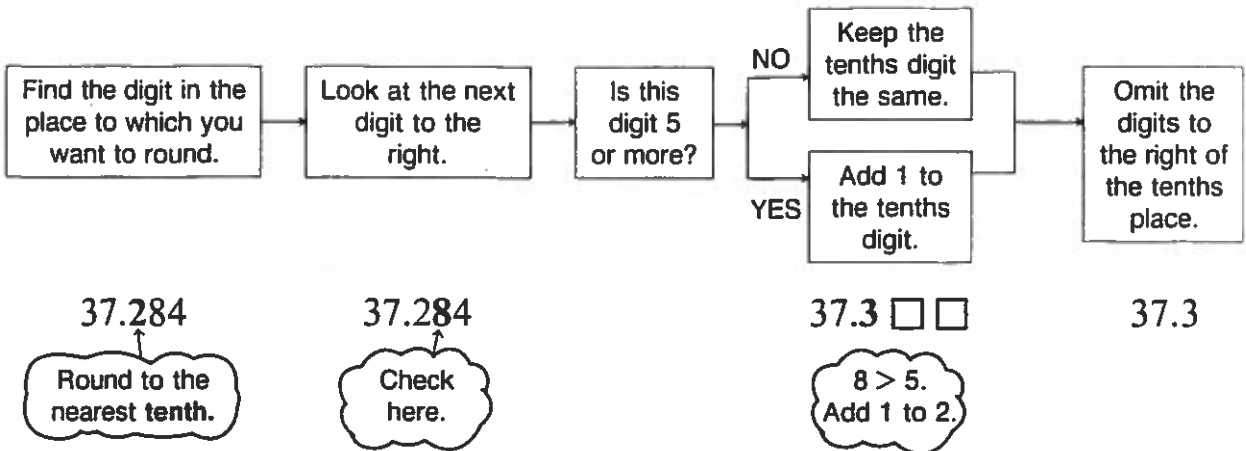
37. 9,846 _____ 38. 35,468 _____

39. 20,243,310 _____ 40. 110,479 _____

41. 985,679,452 _____ 42. 1,865,971 _____

Rounding Decimals

What is 37.284 rounded to the nearest tenth?



Round to the nearest tenth.

- | | | |
|------------------------------------|-----------------------------|-----------------|
| 1. 26.79 <u>26.8</u> (Check here.) | 2. 9.62 _____ (Check here.) | 3. 38.427 _____ |
| 4. 0.683 _____ | 5. 8.099 _____ | 6. 0.533 _____ |
| 7. 58.77 _____ | 8. 256.750 _____ | 9. 0.196 _____ |

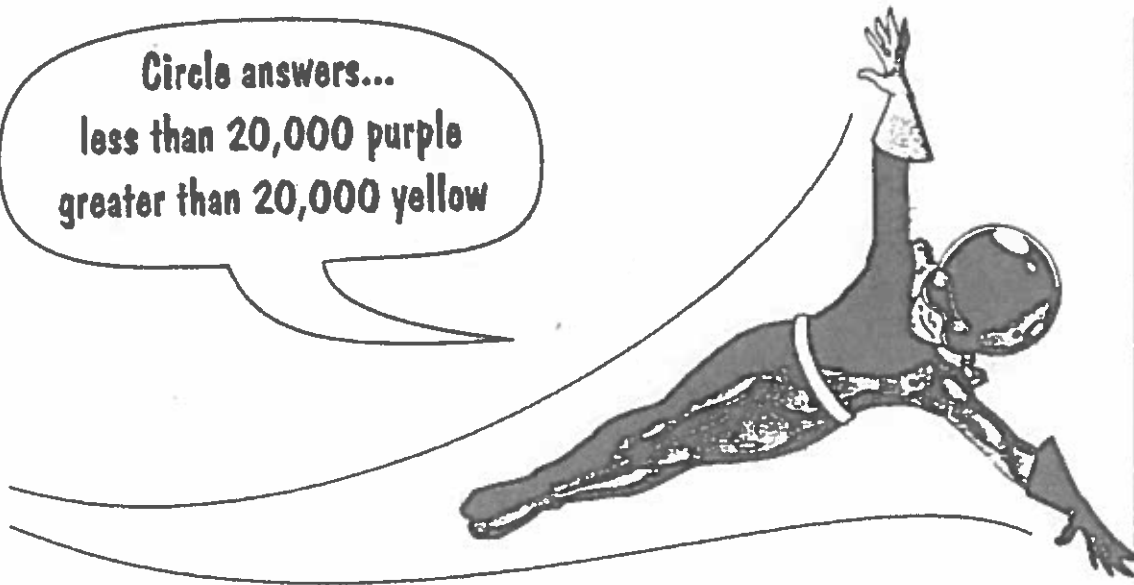
Round to the nearest hundredth.

- | | | |
|-------------------------------|--------------------------------|------------------|
| 10. 2.938 _____ (Check here.) | 11. 38.412 _____ (Check here.) | 12. 50.069 _____ |
| 13. 0.666 _____ | 14. 8.437 _____ | 15. 16.008 _____ |
| 16. 2.115 _____ | 17. 0.849 _____ | 18. 9.551 _____ |

Round to the nearest whole number.

- | | | |
|------------------------------|-----------------------------|------------------|
| 19. 7.16 _____ (Check here.) | 20. 8.8 _____ (Check here.) | 21. 3.956 _____ |
| 22. 11.875 _____ | 23. 0.992 _____ | 24. 39.467 _____ |

Circle answers...
less than 20,000 purple
greater than 20,000 yellow



$$\begin{array}{r} 123 \\ \times 45 \\ \hline 615 \\ 492 \\ \hline 5535 \end{array}$$

$$\begin{array}{r} 314 \\ \times 23 \\ \hline \end{array}$$

$$\begin{array}{r} 823 \\ \times 51 \\ \hline \end{array}$$

$$\begin{array}{r} 542 \\ \times 35 \\ \hline \end{array}$$

$$\begin{array}{r} 363 \\ \times 86 \\ \hline \end{array}$$

$$\begin{array}{r} 245 \\ \times 62 \\ \hline \end{array}$$

$$\begin{array}{r} 736 \\ \times 43 \\ \hline \end{array}$$

$$\begin{array}{r} 412 \\ \times 74 \\ \hline \end{array}$$

$$\begin{array}{r} 924 \\ \times 37 \\ \hline \end{array}$$

$$\begin{array}{r} 625 \\ \times 92 \\ \hline \end{array}$$

$$\begin{array}{r} 437 \\ \times 29 \\ \hline \end{array}$$

$$\begin{array}{r} 721 \\ \times 47 \\ \hline \end{array}$$

Practice with Division

Dividing 2- and 3-Digit Quotients

Divide.

1. $5\overline{)62}$

2. $4\overline{)45}$

3. $6\overline{)87}$

4. $8\overline{)92}$

5. $875 \div 6$

6. $555 \div 4$

7. $623 \div 5$

Common Ground

Here's how to add fractions with like denominators.
Add the numerators. Write the sum over the denominator.

Be sure to write your answers
in lowest terms.



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

Find the sums. Give your answers in lowest terms.

1. $\frac{3}{8} + \frac{1}{8} = \frac{4}{8}$ $\frac{4}{8} \left(\frac{\div 4}{\div 4}\right) = \frac{1}{2}$

2. $\frac{3}{7} + \frac{2}{7} =$

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

4. $\frac{5}{10} + \frac{3}{10} =$

5. $\frac{1}{4} + \frac{3}{4} =$

6. $\frac{3}{5} + \frac{4}{5} =$

7. $\frac{7}{9} + \frac{8}{9} =$

8. $\frac{3}{6} + \frac{4}{6} =$

9. $\frac{5}{12} + \frac{5}{12} =$

10. $\frac{9}{20} + \frac{11}{20} =$

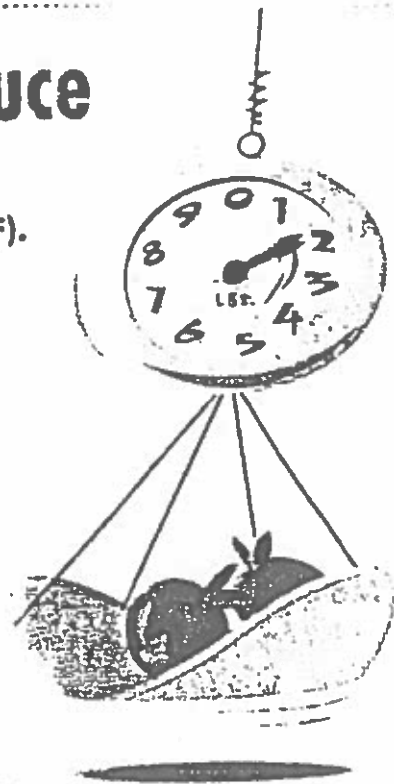
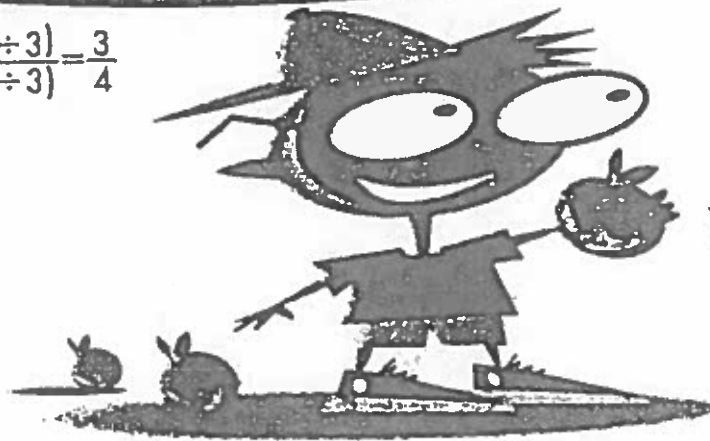
An Easy Way to Reduce

Here's how to reduce a fraction to lowest terms. Divide the numerator and denominator by the greatest common factor (GCF).

The GCF is the greatest number that divides each of the two numbers—the numerator and the denominator.



$$\frac{9 (\div 3)}{12 (\div 3)} = \frac{3}{4}$$



Reduce each fraction to lowest terms.

1. $\frac{4}{6} \frac{(\div 2)}{(\div 2)} = \frac{2}{3}$

2. $\frac{6}{10} = \underline{\quad}$

3. $\frac{3}{9} = \underline{\quad}$

4. $\frac{5}{20} = \underline{\quad}$

5. $\frac{4}{8} = \underline{\quad}$

6. $\frac{12}{18} = \underline{\quad}$

7. $\frac{14}{35} = \underline{\quad}$

8. $\frac{10}{50} = \underline{\quad}$

9. $\frac{8}{20} = \underline{\quad}$

10. $\frac{9}{36} = \underline{\quad}$

11. $\frac{22}{33} = \underline{\quad}$

12. $\frac{300}{400} = \underline{\quad}$

Likes and Dislikes

Here's how to add fractions with unlike denominators.
First rewrite them with like denominators.



The least common denominator (LCD) is the smallest (nonzero) number that is a multiple of each of the two denominators.

$$\begin{array}{r} \frac{1}{2} = \frac{3}{6} \\ + \frac{1}{3} = \frac{2}{6} \\ \hline \frac{5}{6} \end{array} \quad \begin{array}{r} \frac{2}{5} = \frac{4}{10} \\ + \frac{1}{10} = \frac{1}{10} \\ \hline \frac{5}{10} = \frac{1}{2} \end{array} \quad \begin{array}{r} \frac{5}{8} = \frac{15}{24} \\ + \frac{5}{12} = \frac{10}{24} \\ \hline \frac{25}{24} = 1\frac{1}{24} \end{array}$$



Find the sums. Write each sum in lowest terms.

FRACTION IDEAS

1. $\frac{1}{4} = \frac{3}{12}$
 $+\frac{1}{3} = \frac{4}{12}$

 $\frac{7}{12}$

2. $\frac{1}{2}$
 $+\frac{1}{8}$

3. $\frac{1}{6}$
 $+\frac{3}{4}$

4. $\frac{1}{3}$
 $+\frac{1}{6}$

5. $\frac{3}{4}$
 $+\frac{1}{5}$

6. $\frac{1}{18}$
 $+\frac{7}{9}$

7. $\frac{7}{8}$
 $+\frac{5}{12}$

8. $\frac{1}{4}$
 $+\frac{3}{20}$

9. $\frac{2}{9}$
 $+\frac{3}{10}$

10. $\frac{11}{24}$
 $+\frac{5}{12}$

11. $\frac{4}{7}$
 $+\frac{1}{6}$

12. $\frac{5}{6}$
 $+\frac{7}{10}$
