

Name : _____

Score : _____

Teacher : _____

Date : _____

Rounding Decimal Numbers

Round each number to the nearest tenth.

1) 3.81 _____

6) 3.32 _____

2) 6.29 _____

7) 7.21 _____

3) 1.96 _____

8) 6.38 _____

4) 6.32 _____

9) 2.89 _____

5) 2.47 _____

10) 2.13 _____

Round each number to the nearest tenth.

1) 3.554 _____

6) 5.779 _____

2) 3.555 _____

7) 2.119 _____

3) 4.469 _____

8) 3.754 _____

4) 9.855 _____

9) 1.598 _____

5) 7.265 _____

10) 3.241 _____

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Rounding Decimal Numbers

Round each number to the nearest hundredth.

1) 4.993 _____

6) 4.164 _____

2) 7.254 _____

7) 4.937 _____

3) 9.442 _____

8) 5.563 _____

4) 6.541 _____

9) 3.392 _____

5) 3.961 _____

10) 3.484 _____

Round each number to the nearest hundredth.

1) 4.4693 _____

6) 5.1944 _____

2) 8.5984 _____

7) 6.5996 _____

3) 9.6181 _____

8) 8.4791 _____

4) 6.5785 _____

9) 5.3225 _____

5) 3.6752 _____

10) 7.3731 _____

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Subtract Decimals

Subtract each decimal from the given whole number.

$$\begin{array}{r} 1) \quad 61.0 \\ - \quad 6.1 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 2.00 \\ - \quad 0.09 \\ \hline \end{array}$$

$$\begin{array}{r} 3) \quad 57.00 \\ - \quad 32.32 \\ \hline \end{array}$$

$$\begin{array}{r} 4) \quad 614.000 \\ - \quad 40.545 \\ \hline \end{array}$$

$$\begin{array}{r} 5) \quad 16.00 \\ - \quad 0.71 \\ \hline \end{array}$$

$$\begin{array}{r} 6) \quad 70.0 \\ - \quad 0.9 \\ \hline \end{array}$$

$$\begin{array}{r} 7) \quad 550.000 \\ - \quad 6.808 \\ \hline \end{array}$$

$$\begin{array}{r} 8) \quad 633.0 \\ - \quad 3.4 \\ \hline \end{array}$$

$$\begin{array}{r} 9) \quad 653.00 \\ - \quad 47.24 \\ \hline \end{array}$$

$$\begin{array}{r} 10) \quad 339.000 \\ - \quad 61.284 \\ \hline \end{array}$$

$$\begin{array}{r} 11) \quad 40.00 \\ - \quad 9.79 \\ \hline \end{array}$$

$$\begin{array}{r} 12) \quad 40.000 \\ - \quad 5.128 \\ \hline \end{array}$$

$$\begin{array}{r} 13) \quad 889.000 \\ - \quad 57.018 \\ \hline \end{array}$$

$$\begin{array}{r} 14) \quad 206.0 \\ - \quad 4.7 \\ \hline \end{array}$$

$$\begin{array}{r} 15) \quad 72.000 \\ - \quad 9.011 \\ \hline \end{array}$$

$$\begin{array}{r} 16) \quad 937.0 \\ - \quad 27.8 \\ \hline \end{array}$$



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Subtract Decimals

Subtract each decimal from the given whole number.

$$\begin{array}{r} 1) \quad 61.0 \\ - \quad 6.1 \\ \hline 54.9 \end{array}$$

$$\begin{array}{r} 2) \quad 2.00 \\ - \quad 0.09 \\ \hline 1.91 \end{array}$$

$$\begin{array}{r} 3) \quad 57.00 \\ - \quad 32.32 \\ \hline 24.68 \end{array}$$

$$\begin{array}{r} 4) \quad 614.000 \\ - \quad 40.545 \\ \hline 573.455 \end{array}$$

$$\begin{array}{r} 5) \quad 16.00 \\ - \quad 0.71 \\ \hline 15.29 \end{array}$$

$$\begin{array}{r} 6) \quad 70.0 \\ - \quad 0.9 \\ \hline 69.1 \end{array}$$

$$\begin{array}{r} 7) \quad 550.000 \\ - \quad 6.808 \\ \hline 543.192 \end{array}$$

$$\begin{array}{r} 8) \quad 633.0 \\ - \quad 3.4 \\ \hline 629.6 \end{array}$$

$$\begin{array}{r} 9) \quad 653.00 \\ - \quad 47.24 \\ \hline 605.76 \end{array}$$

$$\begin{array}{r} 10) \quad 339.000 \\ - \quad 61.284 \\ \hline 277.716 \end{array}$$

$$\begin{array}{r} 11) \quad 40.00 \\ - \quad 9.79 \\ \hline 30.21 \end{array}$$

$$\begin{array}{r} 12) \quad 40.000 \\ - \quad 5.128 \\ \hline 34.872 \end{array}$$

$$\begin{array}{r} 13) \quad 889.000 \\ - \quad 57.018 \\ \hline 831.982 \end{array}$$

$$\begin{array}{r} 14) \quad 206.0 \\ - \quad 4.7 \\ \hline 201.3 \end{array}$$

$$\begin{array}{r} 15) \quad 72.000 \\ - \quad 9.011 \\ \hline 62.989 \end{array}$$

$$\begin{array}{r} 16) \quad 937.0 \\ - \quad 27.8 \\ \hline 909.2 \end{array}$$



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$$\begin{array}{r} 77.963 \\ \times 100 \\ \hline \end{array}$$

$$\begin{array}{r} 51.219 \\ \times 1000 \\ \hline \end{array}$$

$$\begin{array}{r} 13.231 \\ \times 1000 \\ \hline \end{array}$$

$$\begin{array}{r} 90.248 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 53.666 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 17.392 \\ \times 100 \\ \hline \end{array}$$

$$\begin{array}{r} 65.541 \\ \times 100 \\ \hline \end{array}$$

$$\begin{array}{r} 94.942 \\ \times 1000 \\ \hline \end{array}$$

$$\begin{array}{r} 25.195 \\ \times 1000 \\ \hline \end{array}$$

$$\begin{array}{r} 22.826 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 88.832 \\ \times 100 \\ \hline \end{array}$$

$$\begin{array}{r} 42.867 \\ \times 1000 \\ \hline \end{array}$$

$$\begin{array}{r} 22.461 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 58.587 \\ \times 100 \\ \hline \end{array}$$

$$\begin{array}{r} 15.557 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 62.573 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 12.615 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 18.227 \\ \times 100 \\ \hline \end{array}$$

$$\begin{array}{r} 88.317 \\ \times 1000 \\ \hline \end{array}$$

$$\begin{array}{r} 55.488 \\ \times 100 \\ \hline \end{array}$$

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Dividing Mixed Numbers

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

2) $3\frac{3}{4} \div 3\frac{3}{10} =$

3) $2\frac{3}{5} \div 3\frac{3}{5} =$

4) $3\frac{1}{2} \div 4\frac{1}{10} =$

5) $2\frac{3}{5} \div 4\frac{7}{10} =$

6) $4\frac{1}{3} \div 3\frac{1}{10} =$

7) $2\frac{4}{5} \div 4\frac{1}{4} =$

8) $4\frac{4}{5} \div 4\frac{1}{4} =$

9) $3\frac{1}{2} \div 2\frac{1}{2} =$

10) $3\frac{1}{2} \div 4\frac{2}{3} =$

11) $3\frac{2}{3} \div 4\frac{4}{5} =$

12) $4\frac{1}{2} \div 4\frac{4}{5} =$

13) $4\frac{1}{2} \div 4\frac{1}{2} =$

14) $2\frac{4}{5} \div 3\frac{2}{3} =$

15) $3\frac{1}{3} \div 3\frac{1}{2} =$

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Dividing Mixed Numbers

- 1) $3\frac{1}{2} \div 3\frac{3}{4} = \frac{7 \times 4}{2 \times 15} = \frac{28}{30} = \frac{14}{15}$
- 2) $3\frac{3}{4} \div 3\frac{3}{10} = \frac{15 \times 10}{4 \times 33} = \frac{150}{132} = \frac{25}{22} = 1\frac{3}{22}$
- 3) $2\frac{3}{5} \div 3\frac{3}{5} = \frac{13 \times 5}{5 \times 18} = \frac{65}{90} = \frac{13}{18}$
- 4) $3\frac{1}{2} \div 4\frac{1}{10} = \frac{7 \times 10}{2 \times 41} = \frac{70}{82} = \frac{35}{41}$
- 5) $2\frac{3}{5} \div 4\frac{7}{10} = \frac{13 \times 10}{5 \times 47} = \frac{130}{235} = \frac{26}{47}$
- 6) $4\frac{1}{3} \div 3\frac{1}{10} = \frac{13 \times 10}{3 \times 31} = \frac{130}{93} = 1\frac{37}{93}$
- 7) $2\frac{4}{5} \div 4\frac{1}{4} = \frac{14 \times 4}{5 \times 17} = \frac{56}{85}$
- 8) $4\frac{4}{5} \div 4\frac{1}{4} = \frac{24 \times 4}{5 \times 17} = \frac{96}{85} = 1\frac{11}{85}$
- 9) $3\frac{1}{2} \div 2\frac{1}{2} = \frac{7 \times 2}{2 \times 5} = \frac{14}{10} = \frac{7}{5} = 1\frac{2}{5}$
- 10) $3\frac{1}{2} \div 4\frac{2}{3} = \frac{7 \times 3}{2 \times 14} = \frac{21}{28} = \frac{3}{4}$
- 11) $3\frac{2}{3} \div 4\frac{4}{5} = \frac{11 \times 5}{3 \times 24} = \frac{55}{72}$
- 12) $4\frac{1}{2} \div 4\frac{4}{5} = \frac{9 \times 5}{2 \times 24} = \frac{45}{48} = \frac{15}{16}$
- 13) $4\frac{1}{2} \div 4\frac{1}{2} = \frac{9 \times 2}{2 \times 9} = \frac{18}{18} = 1$
- 14) $2\frac{4}{5} \div 3\frac{2}{3} = \frac{14 \times 3}{5 \times 11} = \frac{42}{55}$
- 15) $3\frac{1}{3} \div 3\frac{1}{2} = \frac{10 \times 2}{3 \times 7} = \frac{20}{21}$



Divisibility Rules

Divisor	Divisibility Condition	Example
2	The last digit is even (0, 2, 4, 6, or 8).	38 : 8 is even which is divisible by 2.
3	The sum of the digits is divisible by 3. For large numbers, digits may be summed iteratively.	4,053 => 4+0+5+3=12 and 1+2=3 which is clearly divisible by 3.
4	Add the ones digit to twice the tens digit. (All digits to the left of the tens digit can be ignored.)	7,372 : 2 + (2 x 7) = 16 which is clearly divisible by 4.
	The last two digits divisible by 4.	20,516 : 16 is divisible by 4.
	If the tens digit is even, and the ones digit is 0, 4, or 8. If the tens digit is odd, and the ones digit is 2, or 6.	728 : 2 is even, & the last digit is 8. 356 : 5 is odd, & the last digit is 6.
5	The last digit is 0 or 5.	1,285 : the last digit is 5.
6	If it is divisible by 2 and by 3.	2,562 : 2 + 5 + 6 + 2 = 15, which it is divisible by 3, and the last digit is even which is divisible by 2, so the number is divisible 6.
8	If the last three digits are divisible by 8, then the entire number is also divisible by 8.	1,024 : 024 is divisible by 8 so, 1,024 is also divisible by 8.
9	The sum of the digits is divisible by 9. For large numbers, digits may be summed iteratively.	1,269 => 1+2+6+9=18 and 1+8=9 which is clearly divisible by 9.

See back for Divisibility rules

Is the **Number** to the left of each row divisible by the **Number** at top of each column? Write YES or NO in each box.

	2	3	4	5	6	9
81						
91						
98						
15						
63						
65						
33						
12						
45						
21						
85						
88						

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Solve each division problem. Write out any remainders in decimal form.

$$4 \overline{) 2.80}$$

$$2 \overline{) 2.21}$$

$$6 \overline{) 8.65}$$

$$7 \overline{) 5.39}$$

$$2 \overline{) 9.95}$$

$$3 \overline{) 4.71}$$

$$8 \overline{) 7.92}$$

$$8 \overline{) 1.28}$$

$$8 \overline{) 9.28}$$

$$9 \overline{) 6.21}$$

$$4 \overline{) 1.13}$$

$$6 \overline{) 8.46}$$

$$3 \overline{) 9.97}$$

$$4 \overline{) 3.32}$$

$$2 \overline{) 7.43}$$

$$3 \overline{) 1.62}$$

$$7 \overline{) 2.94}$$

$$9 \overline{) 6.93}$$

$$7 \overline{) 5.29}$$

$$9 \overline{) 8.09}$$

$$5 \overline{) 8.38}$$

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Solve each division problem. Write out any remainders in decimal form.

$$\begin{array}{r} 0.70 \\ 4 \overline{) 2.80} \end{array}$$

$$\begin{array}{r} 1.10 \text{ r } 0.01 \\ 2 \overline{) 2.21} \end{array}$$

$$\begin{array}{r} 1.44 \text{ r } 0.01 \\ 6 \overline{) 8.65} \end{array}$$

$$\begin{array}{r} 0.77 \\ 7 \overline{) 5.39} \end{array}$$

$$\begin{array}{r} 4.97 \text{ r } 0.01 \\ 2 \overline{) 9.95} \end{array}$$

$$\begin{array}{r} 1.57 \\ 3 \overline{) 4.71} \end{array}$$

$$\begin{array}{r} 0.99 \\ 8 \overline{) 7.92} \end{array}$$

$$\begin{array}{r} 0.16 \\ 8 \overline{) 1.28} \end{array}$$

$$\begin{array}{r} 1.16 \\ 8 \overline{) 9.28} \end{array}$$

$$\begin{array}{r} 0.69 \\ 9 \overline{) 6.21} \end{array}$$

$$\begin{array}{r} 0.28 \text{ r } 0.01 \\ 4 \overline{) 1.13} \end{array}$$

$$\begin{array}{r} 1.41 \\ 6 \overline{) 8.46} \end{array}$$

$$\begin{array}{r} 3.32 \text{ r } 0.01 \\ 3 \overline{) 9.97} \end{array}$$

$$\begin{array}{r} 0.83 \\ 4 \overline{) 3.32} \end{array}$$

$$\begin{array}{r} 3.71 \text{ r } 0.01 \\ 2 \overline{) 7.43} \end{array}$$

$$\begin{array}{r} 0.54 \\ 3 \overline{) 1.62} \end{array}$$

$$\begin{array}{r} 0.42 \\ 7 \overline{) 2.94} \end{array}$$

$$\begin{array}{r} 0.77 \\ 9 \overline{) 6.93} \end{array}$$

$$\begin{array}{r} 0.75 \text{ r } 0.04 \\ 7 \overline{) 5.29} \end{array}$$

$$\begin{array}{r} 0.89 \text{ r } 0.08 \\ 9 \overline{) 8.09} \end{array}$$

$$\begin{array}{r} 1.67 \text{ r } 0.03 \\ 5 \overline{) 8.38} \end{array}$$

Division - remainders in decimal

Divide. Express the remainders in decimal form.

$$2 \overline{)189}$$

$$4 \overline{)25}$$

$$2 \overline{)5}$$

$$8 \overline{)658}$$

$$2 \overline{)17}$$

$$4 \overline{)17}$$

$$4 \overline{)29}$$

$$2 \overline{)29}$$

$$2 \overline{)19}$$

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Solving Equality Equations

1) $7 + 12 = 9 + \underline{\quad}$

2) $9 + \underline{\quad} = 2 + 12$

3) $4 + 10 = 5 + \underline{\quad}$

4) $14 - 3 = \underline{\quad} - 4$

5) $\underline{\quad} + 11 = 1 + 12$

6) $13 - 9 = 15 - \underline{\quad}$

7) $2 + 13 = \underline{\quad} + 6$

8) $11 - \underline{\quad} = 15 - 7$

9) $3 + 11 = \underline{\quad} + 4$

10) $11 - \underline{\quad} = 13 - 6$

11) $15 - 6 = 11 - \underline{\quad}$

12) $\underline{\quad} + 10 = 2 + 14$



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Equivalent Fractions

$$1) \quad \frac{1}{4} = \frac{\quad}{8} = \frac{3}{\quad} = \frac{4}{\quad} = \frac{\quad}{20} = \frac{\quad}{24} = \frac{7}{\quad}$$

$$2) \quad \frac{9}{10} = \frac{\quad}{20} = \frac{27}{\quad} = \frac{\quad}{40} = \frac{45}{\quad} = \frac{54}{\quad} = \frac{\quad}{70}$$

$$3) \quad \frac{5}{10} = \frac{10}{\quad} = \frac{15}{\quad} = \frac{\quad}{40} = \frac{\quad}{50} = \frac{\quad}{60} = \frac{\quad}{70}$$

$$4) \quad \frac{1}{5} = \frac{\quad}{10} = \frac{\quad}{15} = \frac{4}{\quad} = \frac{5}{\quad} = \frac{\quad}{30} = \frac{\quad}{35}$$

$$5) \quad \frac{1}{5} = \frac{\quad}{10} = \frac{3}{\quad} = \frac{4}{\quad} = \frac{5}{\quad} = \frac{\quad}{30} = \frac{7}{\quad}$$

$$6) \quad \frac{2}{3} = \frac{4}{\quad} = \frac{\quad}{9} = \frac{\quad}{12} = \frac{10}{\quad} = \frac{12}{\quad} = \frac{\quad}{21}$$

$$7) \quad \frac{1}{3} = \frac{\quad}{6} = \frac{3}{\quad} = \frac{4}{\quad} = \frac{5}{\quad} = \frac{6}{\quad} = \frac{\quad}{21}$$

$$8) \quad \frac{1}{2} = \frac{2}{\quad} = \frac{\quad}{6} = \frac{\quad}{8} = \frac{5}{\quad} = \frac{\quad}{12} = \frac{\quad}{14}$$

$$9) \quad \frac{3}{4} = \frac{6}{\quad} = \frac{\quad}{12} = \frac{12}{\quad} = \frac{15}{\quad} = \frac{18}{\quad} = \frac{\quad}{28}$$

$$10) \quad \frac{2}{5} = \frac{\quad}{10} = \frac{\quad}{15} = \frac{\quad}{20} = \frac{10}{\quad} = \frac{12}{\quad} = \frac{\quad}{35}$$

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Expanded Notation

Write each number in expanded notation.

- 1) 9,787,824 = _____
- 2) 85,507 = _____
- 3) 7,555 = _____
- 4) 4,838 = _____
- 5) 3,883,453 = _____
- 6) 12,845 = _____
- 7) 8,119,520 = _____
- 8) 421,110 = _____
- 9) 10,621 = _____
- 10) 8,528,700 = _____

Write Each Number in Standard Form.

- 11) _____ = $(3 \times 100000) + (7 \times 10000) + (2 \times 1000) + (2 \times 100) + (0 \times 10) + (6 \times 1)$
- 12) _____ = $(1 \times 100000) + (7 \times 10000) + (4 \times 1000) + (0 \times 100) + (8 \times 10) + (8 \times 1)$
- 13) _____ = $(6 \times 10000) + (9 \times 1000) + (3 \times 100) + (0 \times 10) + (7 \times 1)$
- 14) _____ = $(2 \times 100000) + (8 \times 10000) + (0 \times 1000) + (8 \times 100) + (6 \times 10) + (7 \times 1)$
- 15) _____ = $(6 \times 1000) + (6 \times 100) + (1 \times 10) + (1 \times 1)$
- 16) _____ = $(3 \times 1000) + (2 \times 100) + (9 \times 10) + (3 \times 1)$
- 17) _____ = $(6 \times 1000) + (6 \times 100) + (8 \times 10) + (2 \times 1)$
- 18) _____ = $(6 \times 100000) + (1 \times 10000) + (4 \times 1000) + (2 \times 100) + (3 \times 10) + (1 \times 1)$
- 19) _____ = $(4 \times 1000000) + (9 \times 100000) + (0 \times 10000) + (4 \times 1000) + (6 \times 100) + (3 \times 10) + (2 \times 1)$
- 20) _____ = $(4 \times 10000) + (5 \times 1000) + (3 \times 100) + (8 \times 10) + (9 \times 1)$



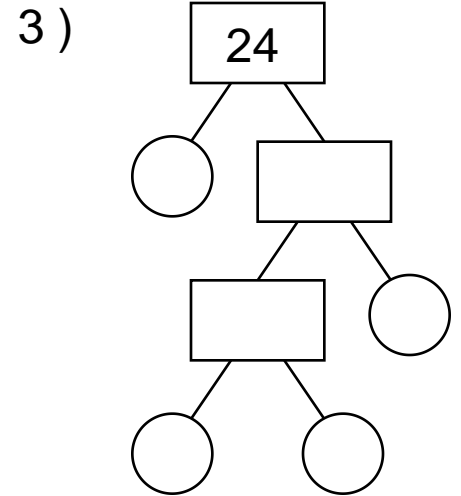
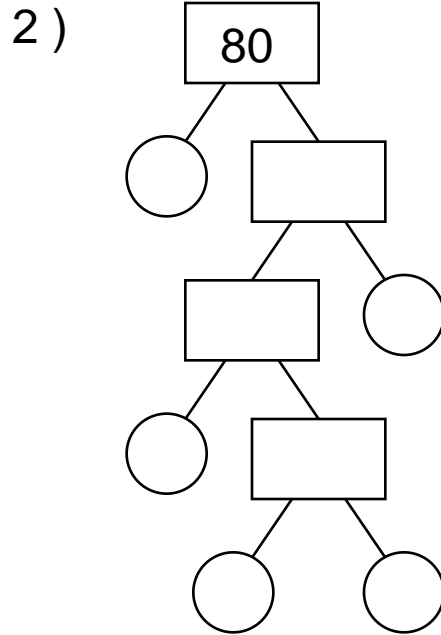
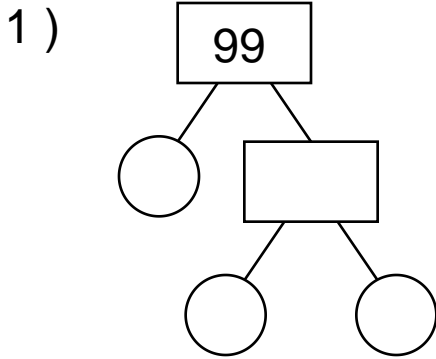
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Find the Prime Factors of the Numbers



Prime Factors

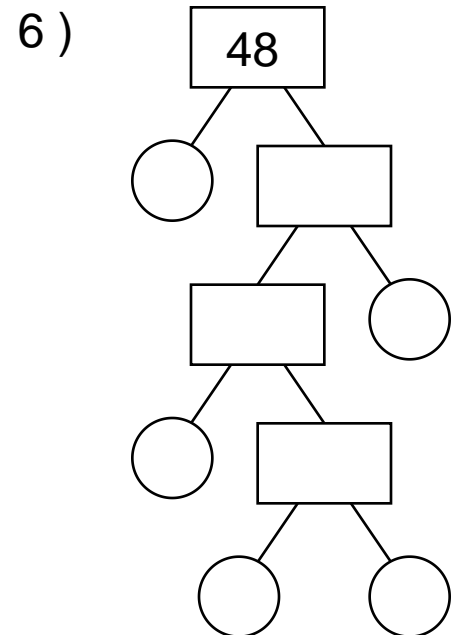
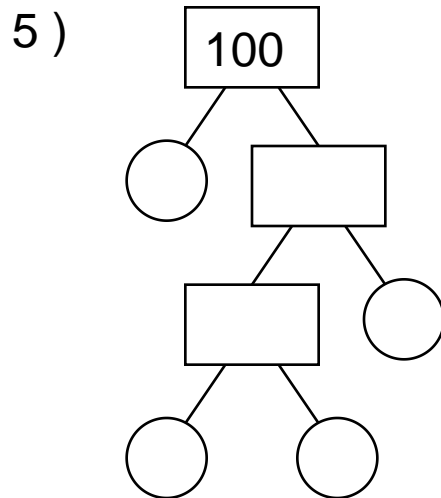
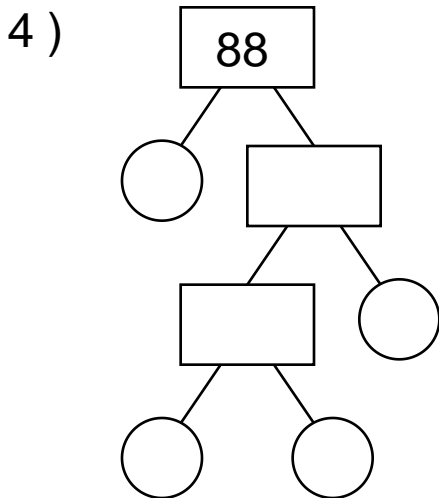
 x x = 99

Prime Factors

 x x x x = 80

Prime Factors

 x x x = 24



Prime Factors

 x x x = 88

Prime Factors

 x x x = 100

Prime Factors

 x x x x = 48

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Dividing Fractions

$$1) \quad \frac{2}{4} \div \frac{2}{3} =$$

$$2) \quad \frac{2}{10} \div \frac{2}{3} =$$

$$3) \quad \frac{1}{4} \div \frac{1}{3} =$$

$$4) \quad \frac{1}{2} \div \frac{8}{10} =$$

$$5) \quad \frac{6}{10} \div \frac{4}{5} =$$

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

$$7) \quad \frac{4}{5} \div \frac{1}{2} =$$

$$8) \quad \frac{3}{10} \div \frac{1}{2} =$$

$$9) \quad \frac{1}{2} \div \frac{1}{3} =$$

$$10) \quad \frac{7}{10} \div \frac{3}{5} =$$

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Dividing Fractions and Whole Numbers

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

2) $\frac{1}{3} \div 8 =$

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

4) $\frac{3}{4} \div 3 =$

5) $7 \div \frac{1}{2} =$

6) $\frac{2}{3} \div 9 =$

7) $3 \div \frac{2}{3} =$

8) $10 \div \frac{1}{2} =$

9) $\frac{2}{4} \div 2 =$

10) $\frac{2}{3} \div 8 =$

11) $\frac{1}{10} \div 6 =$

12) $7 \div \frac{3}{4} =$

13) $\frac{2}{3} \div 10 =$

14) $7 \div \frac{3}{4} =$

15) $\frac{2}{5} \div 4 =$

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Complete the function table for each equation.

1) $y = x + 9$

x	y
0	
3	
5	
2	
8	

5) $y = 9x$

x	y
8	
9	
3	
4	
0	

9) $y = x + 3$

x	y
7	
3	
0	
9	
5	

2) $y = x - 5$

x	y
5	
8	
7	
6	
1	

6) $y = -2x$

x	y
6	
3	
4	
9	
7	

10) $y = 7x$

x	y
8	
6	
2	
9	
3	

3) $y = 8x$

x	y
9	
3	
8	
2	
1	

7) $y = x - 7$

x	y
9	
7	
3	
6	
0	

11) $y = -3x$

x	y
8	
3	
7	
5	
6	

4) $y = -8x$

x	y
1	
3	
5	
7	
9	

8) $y = x + 6$

x	y
5	
9	
4	
7	
2	

12) $y = x - 9$

x	y
3	
5	
4	
6	
9	





Convert improper fractions to mixed numbers

Grade 4 Fractions Worksheet

Convert.

1. $\frac{10}{3} =$ _____

2. $\frac{7}{2} =$ _____

3. $\frac{7}{5} =$ _____

4. $\frac{38}{10} =$ _____

5. $\frac{20}{12} =$ _____

6. $\frac{3}{2} =$ _____

7. $\frac{9}{5} =$ _____

8. $\frac{13}{4} =$ _____

9. $\frac{19}{5} =$ _____

10. $\frac{7}{4} =$ _____

11. $\frac{26}{12} =$ _____

12. $\frac{12}{8} =$ _____

13. $\frac{17}{8} =$ _____

14. $\frac{16}{5} =$ _____

15. $\frac{9}{6} =$ _____

16. $\frac{19}{12} =$ _____

17. $\frac{11}{6} =$ _____

18. $\frac{5}{3} =$ _____

19. $\frac{27}{10} =$ _____

20. $\frac{11}{4} =$ _____

21. $\frac{10}{6} =$ _____



Convert improper fractions to mixed numbers

Grade 4 Fractions Worksheet

Convert.

1. $\frac{10}{3} = 3\frac{1}{3}$

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

3. $\frac{7}{5} = 1\frac{2}{5}$

4. $\frac{38}{10} = 3\frac{4}{5}$

5. $\frac{20}{12} = 1\frac{2}{3}$

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

7. $\frac{9}{5} = 1\frac{4}{5}$

8. $\frac{13}{4} = 3\frac{1}{4}$

9. $\frac{19}{5} = 3\frac{4}{5}$

10. $\frac{7}{4} = 1\frac{3}{4}$

11. $\frac{26}{12} = 2\frac{1}{6}$

12. $\frac{12}{8} = 1\frac{1}{2}$

13. $\frac{17}{8} = 2\frac{1}{8}$

14. $\frac{16}{5} = 3\frac{1}{5}$

15. $\frac{9}{6} = 1\frac{1}{2}$

16. $\frac{19}{12} = 1\frac{7}{12}$

17. $\frac{11}{6} = 1\frac{5}{6}$

18. $\frac{5}{3} = 1\frac{2}{3}$

19. $\frac{27}{10} = 2\frac{7}{10}$

20. $\frac{11}{4} = 2\frac{3}{4}$

21. $\frac{10}{6} = 1\frac{2}{3}$

Name : _____

Score : _____

Teacher : _____

Date : _____

Liquid Measure Quiz

1) _____ gallon = 32 fl oz

9) _____ quarts = 1/2 gallon

2) 4 quarts = _____ gallon

10) 2 cups = _____ pint

3) _____ cups = 4 quarts

11) 1/2 quart = _____ fl oz

4) 16 cups = _____ gallon

12) _____ gallon = 64 fl oz

5) _____ pints = 1 gallon

13) 8 cups = _____ gallon

6) 4 pints = _____ gallon

14) _____ pints = 4 quarts

7) 1/8 cup = _____ fl oz

15) 2 pints = _____ gallon

8) _____ cups = 1/4 gallon

16) _____ pints = 2 quarts



Name : _____

Score : _____

Teacher : _____

Date : _____

Liquid Measure Table

3 tsp	1 tbsp	1/2 fl oz				
6 tsp	2 tbsp	1 fl oz	1/8 cup			
12 tsp	4 tbsp	2 fl oz	1/4 cup			
16 tsp	5 1/3 tbsp	2 2/3 fl oz	1/3 cup			
24 tsp	8 tbsp	4 fl oz	1/2 cup			
		8 fl oz	1 cup	1/2 pt	1/4 qt	
		16 fl oz	2 cups	1 pt	1/2 qt	
		32 fl oz	4 cups	2 pt	1 qt	1/4 gal
		64 fl oz	8 cups	4 pt	2 qt	1/2 gal
		128 fl oz	16 cups	8 pt	4 qt	1 gal



Equivalent Fractions (A)

Instructions: Find the missing numbers in the equivalent fractions below.

$$\frac{2}{\square} = \frac{8}{20}$$

$$\frac{5}{7} = \frac{15}{\square}$$

$$\frac{\square}{8} = \frac{4}{32}$$

$$\frac{4}{12} = \frac{12}{\square}$$

$$\frac{8}{10} = \frac{32}{\square}$$

$$\frac{3}{10} = \frac{12}{\square}$$

$$\frac{1}{\square} = \frac{2}{18}$$

$$\frac{\square}{4} = \frac{2}{8}$$

$$\frac{1}{\square} = \frac{4}{8}$$

$$\frac{4}{\square} = \frac{16}{24}$$

$$\frac{\square}{10} = \frac{20}{40}$$

$$\frac{5}{6} = \frac{20}{\square}$$

$$\frac{1}{4} = \frac{\square}{8}$$

$$\frac{5}{8} = \frac{15}{\square}$$

$$\frac{1}{7} = \frac{\square}{21}$$

$$\frac{\square}{9} = \frac{12}{27}$$

$$\frac{1}{\square} = \frac{4}{24}$$

$$\frac{1}{3} = \frac{5}{\square}$$

$$\frac{3}{7} = \frac{12}{\square}$$

$$\frac{\square}{3} = \frac{3}{9}$$

$$\frac{7}{12} = \frac{\square}{60}$$

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

$$\frac{2}{9} = \frac{8}{\square}$$

$$\frac{2}{4} = \frac{10}{\square}$$

Name : _____

Score : _____

Teacher : _____

Date : _____

$$\begin{array}{r} \$54.79 \\ - \$47.49 \\ \hline \end{array}$$

$$\begin{array}{r} \$99.33 \\ - \$39.41 \\ \hline \end{array}$$

$$\begin{array}{r} \$47.95 \\ - \$12.94 \\ \hline \end{array}$$

$$\begin{array}{r} \$62.95 \\ + \$31.18 \\ \hline \end{array}$$

$$\begin{array}{r} \$37.36 \\ - \$14.79 \\ \hline \end{array}$$

$$\begin{array}{r} \$84.46 \\ + \$29.67 \\ \hline \end{array}$$

$$\begin{array}{r} \$70.61 \\ + \$69.27 \\ \hline \end{array}$$

$$\begin{array}{r} \$98.95 \\ + \$91.97 \\ \hline \end{array}$$

$$\begin{array}{r} \$66.91 \\ - \$50.49 \\ \hline \end{array}$$

$$\begin{array}{r} \$87.86 \\ + \$35.12 \\ \hline \end{array}$$

$$\begin{array}{r} \$94.19 \\ + \$94.47 \\ \hline \end{array}$$

$$\begin{array}{r} \$92.59 \\ - \$17.98 \\ \hline \end{array}$$



Name : _____

Score : _____

Teacher : _____

Date : _____

$$\begin{array}{r} \$54.79 \\ - \$47.49 \\ \hline \$7.30 \end{array}$$

$$\begin{array}{r} \$99.33 \\ - \$39.41 \\ \hline \$59.92 \end{array}$$

$$\begin{array}{r} \$47.95 \\ - \$12.94 \\ \hline \$35.01 \end{array}$$

$$\begin{array}{r} \$62.95 \\ + \$31.18 \\ \hline \$94.13 \end{array}$$

$$\begin{array}{r} \$37.36 \\ - \$14.79 \\ \hline \$22.57 \end{array}$$

$$\begin{array}{r} \$84.46 \\ + \$29.67 \\ \hline \$114.13 \end{array}$$

$$\begin{array}{r} \$70.61 \\ + \$69.27 \\ \hline \$139.88 \end{array}$$

$$\begin{array}{r} \$98.95 \\ + \$91.97 \\ \hline \$190.92 \end{array}$$

$$\begin{array}{r} \$66.91 \\ - \$50.49 \\ \hline \$16.42 \end{array}$$

$$\begin{array}{r} \$87.86 \\ + \$35.12 \\ \hline \$122.98 \end{array}$$

$$\begin{array}{r} \$94.19 \\ + \$94.47 \\ \hline \$188.66 \end{array}$$

$$\begin{array}{r} \$92.59 \\ - \$17.98 \\ \hline \$74.61 \end{array}$$



Name : _____

Score : _____

Teacher : _____

Date : _____

$$\begin{array}{r} _8 \\ + _74 \\ \hline 13_ \end{array}$$

$$\begin{array}{r} 6_ \\ + _5 \\ \hline 107 \end{array}$$

$$\begin{array}{r} _2 \\ + _43 \\ \hline 11_ \end{array}$$

$$\begin{array}{r} _2 \\ - _19 \\ \hline 2_ \end{array}$$

$$\begin{array}{r} _0 \\ - _3_ \\ \hline 1 \end{array}$$

$$\begin{array}{r} 38 \\ + _9_ \\ \hline 1_7 \end{array}$$

$$\begin{array}{r} 99 \\ - _4 \\ \hline 5 \end{array}$$

$$\begin{array}{r} 5_ \\ - _5 \\ \hline 14 \end{array}$$

$$\begin{array}{r} 2_ \\ + _6 \\ \hline 103 \end{array}$$

$$\begin{array}{r} 62 \\ - _5_ \\ \hline 6 \end{array}$$

$$\begin{array}{r} _4 \\ + _9_ \\ \hline 191 \end{array}$$

$$\begin{array}{r} 69 \\ - _4 \\ \hline 3_ \end{array}$$



Name : _____

Score : _____

Teacher : _____

Date : _____

1) $-8 \times 4 =$

2) $4 - 2 =$

3) $7 - 3 =$

4) $4 + -1 =$

5) $-4 \times 7 =$

6) $5 + 9 =$

7) $-8 \times 7 =$

8) $4 + 0 =$

9) $5 + 6 =$

10) $-5 \times 1 =$

11) $4 \times 0 =$

12) $-9 + 0 =$

13) $6 + 1 =$

14) $7 - 0 =$

15) $9 - 1 =$

16) $0 - 2 =$



Name : _____

Score : _____

Teacher : _____

Date : _____

$$\begin{array}{r} 41.5 \\ \times 40.9 \\ \hline \end{array}$$

$$\begin{array}{r} 85.6 \\ \times 34.5 \\ \hline \end{array}$$

$$\begin{array}{r} 53.9 \\ \times 77.4 \\ \hline \end{array}$$

$$\begin{array}{r} 71.2 \\ \times 56.2 \\ \hline \end{array}$$

$$\begin{array}{r} 85.7 \\ \times 68.9 \\ \hline \end{array}$$

$$\begin{array}{r} 16.4 \\ \times 98.7 \\ \hline \end{array}$$

$$\begin{array}{r} 18.9 \\ \times 47.8 \\ \hline \end{array}$$

$$\begin{array}{r} 25.2 \\ \times 55.3 \\ \hline \end{array}$$

$$\begin{array}{r} 52.7 \\ \times 25.8 \\ \hline \end{array}$$

$$\begin{array}{r} 21.5 \\ \times 97.5 \\ \hline \end{array}$$

$$\begin{array}{r} 68.5 \\ \times 75.9 \\ \hline \end{array}$$

$$\begin{array}{r} 98.1 \\ \times 94.8 \\ \hline \end{array}$$

Name : _____

Score : _____

Teacher : _____

Date : _____

$$\begin{array}{r} 966 \\ \times 9 \\ \hline \end{array}$$

$$\begin{array}{r} 468 \\ \times 0 \\ \hline \end{array}$$

$$\begin{array}{r} 613 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 775 \\ \times 739 \\ \hline \end{array}$$

$$\begin{array}{r} 338 \\ \times 639 \\ \hline \end{array}$$

$$\begin{array}{r} 190 \\ \times 445 \\ \hline \end{array}$$

$$\begin{array}{r} 112 \\ \times 84 \\ \hline \end{array}$$

$$\begin{array}{r} 920 \\ \times 1 \\ \hline \end{array}$$

$$\begin{array}{r} 597 \\ \times 933 \\ \hline \end{array}$$

$$\begin{array}{r} 475 \\ \times 51 \\ \hline \end{array}$$

$$\begin{array}{r} 388 \\ \times 82 \\ \hline \end{array}$$

$$\begin{array}{r} 950 \\ \times 10 \\ \hline \end{array}$$



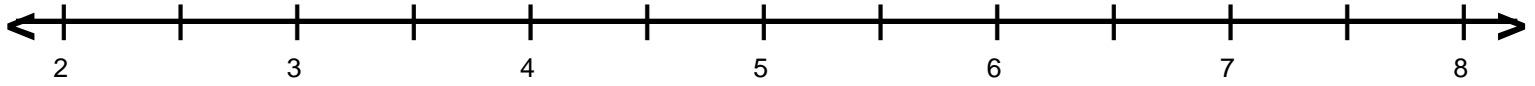
Name : _____

Score : _____

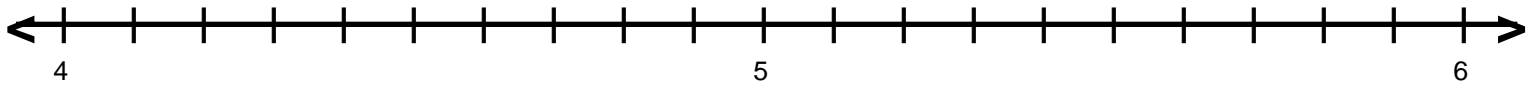
Teacher : _____

Date : _____

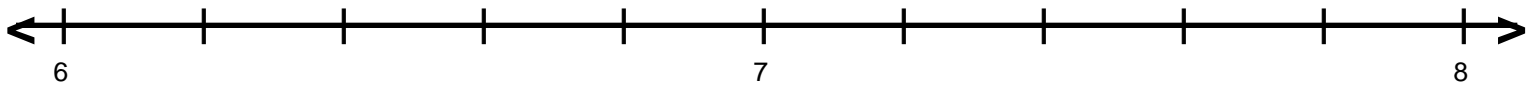
Decimal Numbers on Number Lines



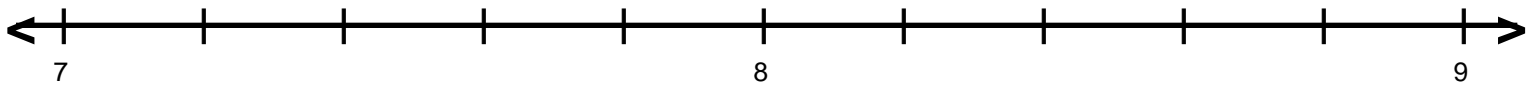
A = 5.5 B = 3.5 C = 2.5 D = 4.5



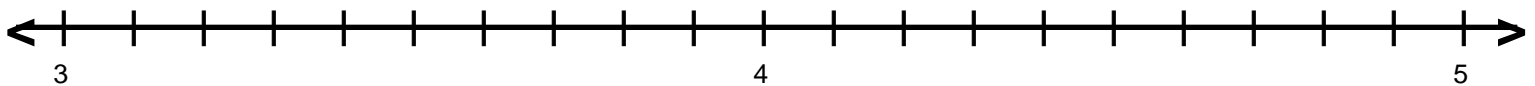
A = 5.2 B = 5.1 C = 4.7 D = 5.5



A = 7.8 B = 6.4 C = 6.6 D = 6.2



A = 7.4 B = 7.6 C = 8.8 D = 8.2



A = 4.4 B = 3.5 C = 4.3 D = 4.1

Name : _____ Score : _____

Teacher : _____ Date : _____

Complete the Numerical Series

- 1) 4, 8, 14, 28, 34, 68, 74, __, __, __
- 2) 18, 22, 15, 19, 12, 16, 9, __, __, __
- 3) 1, 3, 6, 18, 21, 63, 66, __, __, __
- 4) 24, 30, 23, 29, 22, 28, 21, __, __, __
- 5) 4, 11, 9, 16, 14, 21, 19, __, __, __
- 6) 5, 10, 13, 26, 29, 58, 61, __, __, __
- 7) 16, 20, 15, 19, 14, 18, 13, __, __, __
- 8) 1, 2, 3, 6, 7, 14, 15, __, __, __
- 9) 20, 26, 24, 30, 28, 34, 32, __, __, __
- 10) 1, 3, 4, 12, 13, 39, 40, __, __, __



Name : _____

Score : _____

Teacher : _____

Date : _____

Write the Names for the Decimal Numbers.

1) 4.614

2) 2.779

3) 4.143

4) 8.569

5) 6.682

6) 5.719

7) 7.977

8) 2.714

9) 5.538

10) 5.413



Name : _____

Score : _____

Teacher : _____

Date : _____

Write the Numbers in Expanded Form.

1) 431.978 _____

2) 835.482 _____

3) 317.912 _____

4) 983.292 _____

5) 396.189 _____

6) 463.172 _____

7) 584.531 _____

8) 941.634 _____

9) 679.192 _____

10) 668.664 _____

11) 317.154 _____

12) 258.299 _____

13) 977.655 _____

14) 473.665 _____

15) 879.553 _____



Multiplying by Positive Powers of Ten (A)

Name: _____

Date: _____

Multiply each number by positive powers of ten.

$8 \times 1 =$

$8 \times 10 =$

$8 \times 100 =$

$8 \times 1000 =$

$8 \times 10,000 =$

$9 \times 1 =$

$9 \times 10 =$

$9 \times 100 =$

$9 \times 1000 =$

$9 \times 10,000 =$

$5 \times 1 =$

$5 \times 10 =$

$5 \times 100 =$

$5 \times 1000 =$

$5 \times 10,000 =$

$1 \times 1 =$

$1 \times 10 =$

$1 \times 100 =$

$1 \times 1000 =$

$1 \times 10,000 =$

$3 \times 1 =$

$3 \times 10 =$

$3 \times 100 =$

$3 \times 1000 =$

$3 \times 10,000 =$

$6 \times 1 =$

$6 \times 10 =$

$6 \times 100 =$

$6 \times 1000 =$

$6 \times 10,000 =$

$7 \times 1 =$

$7 \times 10 =$

$7 \times 100 =$

$7 \times 1000 =$

$7 \times 10,000 =$

$2 \times 1 =$

$2 \times 10 =$

$2 \times 100 =$

$2 \times 1000 =$

$2 \times 10,000 =$

$4 \times 1 =$

$4 \times 10 =$

$4 \times 100 =$

$4 \times 1000 =$

$4 \times 10,000 =$

$10 \times 1 =$

$10 \times 10 =$

$10 \times 100 =$

$10 \times 1000 =$

$10 \times 10,000 =$

Word problems-Working with fractions

- 1) Sandy ate $\frac{6}{7}$ of a pumpkin, while Melanie ate $\frac{3}{4}$ of a pumpkin and Sam ate $\frac{1}{2}$ of a pumpkin. In total, how much pumpkin did these three eat? _____
- 2) Mary has to read 3 books for school. Mary read $\frac{3}{5}$ of the first book on Monday, $\frac{1}{5}$ of the second book on Friday, and $\frac{3}{5}$ of the third book. The first book took $\frac{1}{5}$ as long to read as the second book. How much of these three books has Mary read? _____
- 3) A smoothie recipe called for $\frac{7}{12}$ cups of bananas, $\frac{5}{9}$ cups of apples as well as $\frac{3}{10}$ cups of oranges. Mike diced $\frac{3}{11}$ of the fruit. How many cups of fruit did the recipe need? _____
- 4) Sandy picked $\frac{4}{7}$ of a bucket of lemons, and Mary picked $\frac{4}{7}$ of a bucket of lemons. Nancy picked $\frac{3}{7}$ of lemons, while Sandy ate $\frac{2}{7}$ of the pickings. How many buckets were picked? _____
- 5) Keith drank $\frac{4}{5}$ of a cup of milk at breakfast, $\frac{2}{3}$ of a cup at lunch, and $\frac{8}{9}$ of a cup of milk at dinner. In total, how many cups of milk did Keith drink today? _____
- 6) A group of friends decided to buy bulk chocolate from a candy store. If some friends each want $\frac{2}{5}$ of a kilogram of chocolate of the 4 kilograms of chocolate purchased, then how many people can get a share of chocolate? _____
- 7) One track coach wants his athletes to race 6 miles around a track to measure how fast each person can run. If the track is $\frac{3}{7}$ of a mile around, then how many laps around the track will the athletes have to run to complete the race? _____
- 8) After Sally picked 6 figs, she wanted to share them with her fellow classmates. If Sally wants to give $\frac{3}{4}$ of a fig to each of her classmates, then how many classmates will get some fig? _____
- 9) One school purchased 4 gallons of cyan paint to decorate several of its classrooms. If each classroom needs $\frac{1}{4}$ of a gallon of paint, then how many classrooms will get painted? _____
- 10) Benny made 6 pints of hot chocolate for his friends. If each of Benny's mugs holds $\frac{2}{9}$ of a pint of liquid, then how many friends will get hot chocolate? _____

Name : _____

Score : _____

Teacher : _____

Date : _____

Word Problems

- 1) Benny likes to collect coins. Benny got 35 coins from his brother, 26 coins from his mother, as well as 24 coins from Joan. However, Benny lost 17 coins before putting those coins into his piggybank. How many coins does Benny have in his piggybank? _____
- 2) Joan wants 156 cupcakes for her party. Joan has already made 24 berry cupcakes, and 72 fudge cupcakes. How many more cupcakes does Joan need to make? _____
- 3) At an amusement park, Sara wants to ride a rollercoaster that costs 35 tickets, a bumper car that costs 33 tickets, and a merry-go-round that costs 32 tickets. Sara had 30 tickets, but lost 8 of them on a ride. How many more tickets does she need? _____
- 4) Jason had 195 wolf stickers. Jason gave 33 stickers to Keith, 34 stickers to his sister and an additional 79 stickers to Benny. How many stickers does Jason still have? _____
- 5) Sally made 3 different stacks of wooden blocks. The first stack was 8 blocks high, the second stack was 3 block(s) higher than the first, and the final stack was 8 block(s) higher than the second. In total, how many blocks did Sally use for all 3 stacks? _____
- 6) For soccer season, Joan decided to buy 36 balls, 38 pairs of shorts, as well as 22 pairs of soccer shoes. In total, how many objects did Joan buy for soccer season? _____
- 7) Keith wants several different color plates for his birthday. Keith wants to get 144 yellow plates, 132 gold plates, and some amount of cyan plates. In total, Keith wants 348 plates, so how many cyan plates should he get? _____
- 8) Before getting to school, Sally has a few errands to run. Sally has to walk 6 blocks to the gallery, and 12 blocks to the library, before walking the final 5 blocks to arrive at school. If Sally has already walked 9 blocks, how many more blocks must she walk before arriving at school? _____
- 9) For lunch, Sara bought 26 glasses of milk, 21 salmon sandwich, as well as 28 sherbet. In total, how many menu items did Sara purchase for lunch? _____
- 10) Nancy wanted to save money to buy a new outfit. Nancy deposited 30 times for savings in March, 20 times in April and 23 times in May. How many times did Nancy make savings deposits over this time period? _____

