

6th Grade Math

Skills Needed:

- Multiplication Facts (Times Tables) from 0 to 12
 - Goals: Need to be able to recite each times table in less than 15 seconds!
- Fractions:
 - Equivalent Fractions
 - Example: $1/2 = 2/4 = 3/6 = 4/8$, etc.
 - Simplest Form
 - Example: $15/45 \rightarrow 1/3$, $14/16 \rightarrow 7/8$
 - Convert Fractions from mixed number to improper fractions, improper fractions to mixed numbers, fractions to decimals, and decimals to fractions
 - Examples: $1 \frac{1}{2} = 3/2$
 $5/4 = 1 \frac{1}{4}$
 $3/4 = 0.75$
 $0.25 = 25/100 = 1/4$
- Area and Perimeter
 - Calculate the perimeter of a rectangle
 - $P = 2(L + W)$
 - Calculate the area of a figure
 - $A = L \times W$
- Measurements
 - Length
 - Customary
 - Inches, feet, yards, miles
 - Metric
 - Millimeters, centimeters, meters, kilometers
 - Capacity
 - Customary
 - Fluid ounces, cups, pints, gallons
 - Milliliters, liters, kiloliters
 - Mass/Weight
 - Customary
 - pounds, tons
 - Metric
 - Milligrams, grams, kilograms

Practice:

- Do all the attached practice pages!

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1) $44 \times 0 =$

2) $96 \times 95 =$

3) $80 \times 85 =$

4) $25 \times 88 =$

5) $47 \times 12 =$

6) $15 \times 92 =$

7) $30 \times 24 =$

8) $36 \times 42 =$

9) $86 \times 61 =$

10) $24 \times 18 =$

11) $8 \times 35 =$

12) $24 \times 97 =$

13) $61 \times 77 =$

14) $64 \times 12 =$

15) $89 \times 28 =$

16) $28 \times 85 =$

17) $17 \times 39 =$

18) $60 \times 26 =$

19) $22 \times 42 =$

20) $23 \times 68 =$



Converting Decimals to Fractions

Grade 6 Fraction Worksheet

Convert the following decimals to fractions.

1. $0.7 =$ _____

2. $0.38 =$ _____

3. $0.1 =$ _____

4. $0.61 =$ _____

5. $0.86 =$ _____

6. $0.6 =$ _____

7. $0.33 =$ _____

8. $0.27 =$ _____

9. $0.3 =$ _____

10. $0.4 =$ _____

11. $0.94 =$ _____

12. $0.45 =$ _____

13. $0.5 =$ _____

14. $0.49 =$ _____

15. $0.98 =$ _____

16. $0.2 =$ _____



Converting Decimals to Mixed Numbers

Grade 6 Fraction Worksheet

Convert the following decimals to mixed numbers.

1. $8.05 =$ _____

2. $2.32 =$ _____

3. $9.1 =$ _____

4. $4.2 =$ _____

5. $1.15 =$ _____

6. $6.4 =$ _____

7. $6.44 =$ _____

8. $2.8 =$ _____

9. $5.91 =$ _____

10. $7.6 =$ _____

11. $4.61 =$ _____

12. $5.9 =$ _____

13. $9.8 =$ _____

14. $5.3 =$ _____

15. $8.31 =$ _____

16. $8.9 =$ _____

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Adding Fractions

1) $\frac{7}{21} + \frac{4}{7} =$

2) $\frac{17}{30} + \frac{1}{15} =$

3) $\frac{4}{90} + \frac{9}{15} =$

4) $\frac{2}{58} + \frac{11}{29} =$

5) $\frac{1}{10} + \frac{4}{20} =$

6) $\frac{2}{4} + \frac{4}{10} =$

7) $\frac{5}{6} + \frac{7}{27} =$

8) $\frac{11}{29} + \frac{9}{58} =$

9) $\frac{7}{32} + \frac{6}{64} =$

10) $\frac{1}{24} + \frac{1}{12} =$



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Subtracting Fractions

1) $\frac{9}{34} - \frac{1}{17} =$

2) $\frac{2}{7} - \frac{6}{70} =$

3) $\frac{1}{3} - \frac{10}{36} =$

4) $\frac{6}{11} - \frac{5}{77} =$

5) $\frac{12}{14} - \frac{1}{4} =$

6) $\frac{14}{15} - \frac{1}{30} =$

7) $\frac{6}{8} - \frac{20}{32} =$

8) $\frac{10}{39} - \frac{3}{26} =$

9) $\frac{19}{43} - \frac{12}{86} =$

10) $\frac{12}{14} - \frac{5}{7} =$

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Adding Mixed Numbers

1) $6\frac{2}{48} + 9\frac{7}{32} =$

2) $5\frac{1}{3} + 9\frac{4}{6} =$

3) $4\frac{13}{30} + 5\frac{3}{9} =$

4) $5\frac{9}{23} + 4\frac{1}{4} =$

5) $4\frac{11}{13} + 5\frac{15}{26} =$

6) $2\frac{3}{6} + 8\frac{2}{3} =$

7) $4\frac{10}{12} + 8\frac{1}{6} =$

8) $2\frac{8}{16} + 8\frac{2}{32} =$

9) $1\frac{7}{21} + 7\frac{1}{6} =$

10) $2\frac{6}{14} + 9\frac{5}{8} =$

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Subtracting Mixed Numbers

1) $8\frac{8}{46} - 1\frac{1}{4} =$

2) $8\frac{3}{16} - 2\frac{1}{4} =$

3) $9\frac{1}{26} - 3\frac{12}{13} =$

4) $9\frac{15}{44} - 3\frac{4}{8} =$

5) $7\frac{2}{4} - 3\frac{6}{8} =$

6) $9\frac{2}{24} - 2\frac{2}{6} =$

7) $5\frac{16}{55} - 2\frac{6}{11} =$

8) $6\frac{5}{41} - 2\frac{17}{82} =$

9) $8\frac{4}{7} - 3\frac{19}{21} =$

10) $9\frac{6}{21} - 3\frac{12}{14} =$



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$$\begin{array}{r} 51.43 \\ \times 91.37 \\ \hline \end{array}$$

$$\begin{array}{r} 25.18 \\ \times 18.73 \\ \hline \end{array}$$

$$\begin{array}{r} 19.71 \\ \times 95.28 \\ \hline \end{array}$$

$$\begin{array}{r} 92.56 \\ \times 44.56 \\ \hline \end{array}$$

$$\begin{array}{r} 75.73 \\ \times 33.34 \\ \hline \end{array}$$

$$\begin{array}{r} 28.33 \\ \times 48.86 \\ \hline \end{array}$$

$$\begin{array}{r} 77.76 \\ \times 51.25 \\ \hline \end{array}$$

$$\begin{array}{r} 38.11 \\ \times 53.46 \\ \hline \end{array}$$

$$\begin{array}{r} 62.48 \\ \times 70.45 \\ \hline \end{array}$$

$$\begin{array}{r} 94.42 \\ \times 24.84 \\ \hline \end{array}$$

$$\begin{array}{r} 12.94 \\ \times 64.48 \\ \hline \end{array}$$

$$\begin{array}{r} 46.69 \\ \times 12.56 \\ \hline \end{array}$$

$$\begin{array}{r} 14.97 \\ \times 25.49 \\ \hline \end{array}$$

$$\begin{array}{r} 25.61 \\ \times 92.73 \\ \hline \end{array}$$

$$\begin{array}{r} 50.84 \\ \times 27.48 \\ \hline \end{array}$$

$$\begin{array}{r} 98.26 \\ \times 31.35 \\ \hline \end{array}$$

$$\begin{array}{r} 84.81 \\ \times 58.47 \\ \hline \end{array}$$

$$\begin{array}{r} 69.25 \\ \times 16.54 \\ \hline \end{array}$$

$$\begin{array}{r} 80.73 \\ \times 86.98 \\ \hline \end{array}$$

$$\begin{array}{r} 90.87 \\ \times 84.17 \\ \hline \end{array}$$

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Find the Missing Factor

1) $90 \times n = 900$ $n =$ _____

2) $n \times 37 = 1443$ $n =$ _____

3) $n \times 49 = 3087$ $n =$ _____

4) $n \times 96 = 8064$ $n =$ _____

5) $n \times 34 = 2074$ $n =$ _____

6) $78 \times n = 3354$ $n =$ _____

7) $20 \times n = 980$ $n =$ _____

8) $25 \times n = 1700$ $n =$ _____

9) $91 \times n = 2457$ $n =$ _____

10) $n \times 87 = 3828$ $n =$ _____

11) $59 \times n = 3540$ $n =$ _____

12) $49 \times n = 2205$ $n =$ _____

13) $n \times 28 = 2604$ $n =$ _____

14) $76 \times n = 2356$ $n =$ _____

15) $n \times 62 = 1798$ $n =$ _____

16) $n \times 75 = 1125$ $n =$ _____

17) $70 \times n = 4060$ $n =$ _____

18) $n \times 97 = 8342$ $n =$ _____

19) $n \times 31 = 1519$ $n =$ _____

20) $20 \times n = 1180$ $n =$ _____



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Subtracting Fractions and Whole Numbers

1) $8 - \frac{12}{16} =$

2) $2 - \frac{1}{25} =$

3) $6 - \frac{1}{3} =$

4) $7 - \frac{2}{3} =$

5) $2 - \frac{3}{4} =$

6) $3 - \frac{6}{8} =$

7) $9 - \frac{8}{77} =$

8) $4 - \frac{3}{8} =$

9) $3 - \frac{10}{29} =$

10) $4 - \frac{1}{6} =$