

Decimal Addition

DA 1

Instructions: Add these decimals using the procedure you learned in the video. Don't forget to line up the decimal points when adding.

1 $5.8 + 12.4$

$$\begin{array}{r} 1 \\ 5.8 \\ + 12.4 \\ \hline 18.2 \end{array}$$

2 $3.2 + 0.5$

$$\begin{array}{r} 3.2 \\ + 0.5 \\ \hline 3.7 \end{array}$$

3 $10.9 + 0.12$

$$\begin{array}{r} 1 \\ 10.90 \\ + 0.12 \\ \hline 11.02 \end{array}$$

4 $245 + 8.9$

$$\begin{array}{r} 1 \\ 245.0 \\ + 8.9 \\ \hline 253.9 \end{array}$$

5 $17.2 + 25.6$

$$\begin{array}{r} 1 \\ 17.2 \\ + 25.6 \\ \hline 42.8 \end{array}$$

6 $83.6 + 2.125$

$$\begin{array}{r} 83.600 \\ + 2.125 \\ \hline 85.725 \end{array}$$

7 $0.412 + 0.65$

$$\begin{array}{r} 1 \\ 0.412 \\ + 0.650 \\ \hline 1.062 \end{array}$$

8 $33.75 + 9.8$

$$\begin{array}{r} 11 \\ 33.75 \\ + 9.80 \\ \hline 43.55 \end{array}$$

9 $0.123 + 45.6$

$$\begin{array}{r} 0.123 \\ + 45.600 \\ \hline 45.723 \end{array}$$

Decimal Subtraction

DA 2

Instructions: Subtract these decimals using the procedure you learned in the video. Don't forget to line up the decimal points when subtracting and remember that order matters in subtraction.

1 $9.23 - 4.5$

$$\begin{array}{r} 8 \\ \cancel{9} \cdot 23 \\ - 4.50 \\ \hline 4.73 \end{array}$$

2 $8.0 - 0.6$

$$\begin{array}{r} 7 \\ \cancel{8} \cdot 0 \\ - 0.6 \\ \hline 7.4 \end{array}$$

3 $12 - 1.3$

$$\begin{array}{r} 1 \\ \cancel{12} \cdot 0 \\ - 1.3 \\ \hline 10.7 \end{array}$$

4 $8.9 - 5.7$

$$\begin{array}{r} 8.9 \\ - 5.7 \\ \hline 3.2 \end{array}$$

5 $50.7 - 42.1$

$$\begin{array}{r} 4 \\ \cancel{5} \cdot 0.7 \\ - 42.1 \\ \hline 8.6 \end{array}$$

6 $81.3 - 6.75$

$$\begin{array}{r} 7 \cdot 0 \quad 12 \\ \cancel{81} \cdot \cancel{3} \cdot 0 \\ - 6.75 \\ \hline 74.55 \end{array}$$

7 $129.8 - 85.4$

$$\begin{array}{r} 129.8 \\ - 85.4 \\ \hline 44.4 \end{array}$$

8 $0.745 - 0.561$

$$\begin{array}{r} 6 \\ \cancel{0} \cdot \cancel{7} \cdot 45 \\ - 0.561 \\ \hline 0.184 \end{array}$$

9 $4.925 - 3.8$

$$\begin{array}{r} 4.925 \\ - 3.800 \\ \hline 1.125 \end{array}$$

Decimal Multiplication

DA 3

Instructions: Multiply these decimals using the procedure you learned in the video. (Remember to pretend that you are working with whole numbers and then shift the decimal in your answer.)

1 3.2×5.26

$$\begin{array}{r} \overset{1}{\downarrow} \\ 5.26 \\ \times 3.2 \\ \hline 1052 \\ + 15780 \\ \hline 16.832 \end{array}$$

2 4.5×2.4

$$\begin{array}{r} \overset{1}{\downarrow} \\ 4.5 \\ \times 2.4 \\ \hline 180 \\ + 900 \\ \hline 10.80 \end{array}$$

3 0.25×0.11

$$\begin{array}{r} 0.25 \\ \times 0.11 \\ \hline 25 \\ + 250 \\ \hline 0.0275 \end{array}$$

4 62×1.8

$$\begin{array}{r} \overset{1}{\downarrow} \\ 62 \\ \times 1.8 \\ \hline 496 \\ + 620 \\ \hline 111.6 \end{array}$$

5 316×2.8

$$\begin{array}{r} \overset{1}{\downarrow} \\ 316 \\ \times 2.8 \\ \hline 2528 \\ + 6320 \\ \hline 884.8 \end{array}$$

6 0.125×65

$$\begin{array}{r} \overset{1}{\downarrow} \\ 0.125 \\ \times 65 \\ \hline 625 \\ + 7500 \\ \hline 8.125 \end{array}$$

7 9.23×3.1

$$\begin{array}{r} \overset{1}{\downarrow} \\ 9.23 \\ \times 3.1 \\ \hline 923 \\ + 27690 \\ \hline 28.613 \end{array}$$

8 0.34×0.216

$$\begin{array}{r} \overset{1}{\downarrow} \\ 0.216 \\ \times 0.34 \\ \hline 864 \\ + 6480 \\ \hline 0.07344 \end{array}$$

9 70.4×3.4

$$\begin{array}{r} \overset{1}{\downarrow} \\ 70.4 \\ \times 3.4 \\ \hline 2816 \\ + 21120 \\ \hline 239.36 \end{array}$$

Decimal Division

DA 4

Instructions: Divide these decimals using the procedure you learned in the video. Remember, you can shift the decimals in both the divisor and the dividend to make an equivalent division problem that does not have a decimal divisor.

$$\begin{array}{r}
 3.15 \\
 1 \quad 2.3 \overline{) 7.245} \\
 \underline{-69} \\
 34 \\
 \underline{-23} \\
 115 \\
 \underline{-115} \\
 0
 \end{array}$$

$$\begin{array}{r}
 23.5 \\
 2 \quad 1.1 \overline{) 25.85} \\
 \underline{-22} \\
 38 \\
 \underline{-33} \\
 55 \\
 \underline{-55} \\
 0
 \end{array}$$

$$\begin{array}{r}
 8.7 \\
 3 \quad 8 \overline{) 69.6} \\
 \underline{-64} \\
 56 \\
 \underline{-56} \\
 0
 \end{array}$$

$$\begin{array}{r}
 47.3 \\
 4 \quad 0.12 \overline{) 5.676} \\
 \underline{-48} \\
 87 \\
 \underline{-84} \\
 36 \\
 \underline{-36} \\
 0
 \end{array}$$

$$\begin{array}{r}
 1470. \\
 5 \quad 2.5 \overline{) 3675.0} \\
 \underline{-25} \\
 117 \\
 \underline{-100} \\
 175 \\
 \underline{-175} \\
 0
 \end{array}$$

$$\begin{array}{r}
 203. \\
 6 \quad 1.4 \overline{) 284.2} \\
 \underline{-28} \\
 042 \\
 \underline{-42} \\
 0
 \end{array}$$

Decimal Arithmetic - Mixed Practice

DA 5

Instructions: Solve each problem using the procedures you learned in the video.

1 $28 - 6.3$

$$\begin{array}{r} 7 \\ 28.0 \\ - 6.3 \\ \hline 21.7 \end{array}$$

2 0.32×0.49

$$\begin{array}{r} 1 \\ 0.32 \\ \times 0.49 \\ \hline 288 \\ + 1280 \\ \hline 0.1568 \end{array}$$

3 $42.5 + 0.63$

$$\begin{array}{r} 1 \\ 42.50 \\ + 0.63 \\ \hline 43.13 \end{array}$$

4 2.67×5.4

$$\begin{array}{r} 33 \\ 22 \\ 2.67 \\ \times 5.4 \\ \hline 1068 \\ + 13350 \\ \hline 14.418 \end{array}$$

5 $925 + 7.5$

$$\begin{array}{r} 1 \\ 925.0 \\ + 7.5 \\ \hline 932.5 \end{array}$$

6 $0.13 \overline{)4.212}$

$$\begin{array}{r} 32.4 \\ 0.13 \overline{)4.212} \\ \underline{-39} \\ 31 \\ \underline{-26} \\ 52 \\ \underline{-52} \\ 0 \end{array}$$

7 $7.042 - 6.1$

$$\begin{array}{r} 6 \\ 7.042 \\ - 6.100 \\ \hline 0.942 \end{array}$$

8 $0.758 + 62.9$

$$\begin{array}{r} 1 \\ 0.758 \\ + 62.900 \\ \hline 63.658 \end{array}$$

9 $0.5 \overline{)48.75}$

$$\begin{array}{r} 97.5 \\ 0.5 \overline{)48.75} \\ \underline{-45} \\ 37 \\ \underline{-35} \\ 25 \\ \underline{-25} \\ 0 \end{array}$$