

Decimal Addition

A-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

A-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 $81.3 - 6.75$

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

7 $129.8 - 85.4$

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

8 $0.745 - 0.561$

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

9 $4.925 - 3.8$

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

Decimal Multiplication

A-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

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

2 4.5×2.4

$$\begin{array}{r}
 1 \\
 8 \\
 4.5 \\
 \times 2.4 \\
 \hline
 180 \\
 + 900 \\
 \hline
 10.80
 \end{array}$$

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

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

5 316×2.8

$$\begin{array}{r}
 1 \\
 4 \\
 316 \\
 \times 2.8 \\
 \hline
 2528 \\
 + 6320 \\
 \hline
 884.8
 \end{array}$$

6 0.125×65

$$\begin{array}{r}
 13 \\
 8 \\
 0.125 \\
 \times 65 \\
 \hline
 1625 \\
 + 7500 \\
 \hline
 8.125
 \end{array}$$

7 9.23×3.1

$$\begin{array}{r}
 9.23 \\
 \times 3.1 \\
 \hline
 1923 \\
 + 27690 \\
 \hline
 28.613
 \end{array}$$

8 0.34×0.216

$$\begin{array}{r}
 1 \\
 8 \\
 0.216 \\
 \times 0.34 \\
 \hline
 1864 \\
 + 6480 \\
 \hline
 0.07344
 \end{array}$$

9 70.4×3.4

$$\begin{array}{r}
 1 \\
 4 \\
 70.4 \\
 \times 3.4 \\
 \hline
 2816 \\
 + 21120 \\
 \hline
 239.36
 \end{array}$$

Decimal Division

A-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.

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

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

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

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

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

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

Decimal Arithmetic - Mixed Practice

A-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 $0.5 \overline{)48.75}$

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