

6th Grade

1.2 Add/Subt/Mult/Divide Multi-digit Decimals

Section 3.5 in your book: Adding and Subtracting Decimals

LINE UP DECIMALS for Add/Subtract

ex 1) $23.1 + 5.8$

$$\begin{array}{r} 23.1 \\ + 5.8 \\ \hline 28.9 \end{array}$$

ex 2) $5.774 - 2.371$

$$\begin{array}{r} 5.774 \\ - 2.371 \\ \hline 3.403 \end{array}$$

ex 3) $6 - 4.78$

$$\begin{array}{r} 5 \\ 6.00 \\ - 4.78 \\ \hline 1.22 \end{array}$$

You Try: pg 158

$$3) 9 + 29.34$$

38.34



$$6) 42.28 - 1.52$$

40.76



$$7) 8 - 5.78$$

2.22



pg. 159; 13-24

3.6 & 3.7 in your book: Multiplying Decimals

Put number with LEAST amount of digits on the bottom

ex 1) $9 \cdot 0.83$

$$\begin{array}{r} 9 \cdot 0.83 \\ \times \\ \hline 7.47 \end{array}$$

ex 2) $2 \cdot 0.018$

$$\begin{array}{r} 2 \cdot 0.018 \\ \times \\ \hline 0.036 \end{array}$$

ex 3) $4.2 \cdot 6.7$

$$\begin{array}{r} 4.2 \quad 1 \\ \cdot 6.7 \quad \frac{1}{2} \\ \hline 294 \\ + 2520 \\ \hline 2814 \end{array}$$

28.14

ex 4) $1.6 \cdot 0.09$

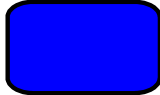
$$\begin{array}{r} 1.6 \quad 1 \\ \cdot 0.09 \quad 2 \\ \hline 144 \\ + 090 \\ \hline 144 \end{array}$$

.144

You Try: pg 165 } + 170


3) $3 \cdot 0.52$

1.56




6) $4 \cdot 0.012$

0.048




2) $1.4 \cdot 2.56$

3.584



6) $0.45 \cdot 0.053$

0.02385



3.8 & 3.9 in your book: Dividing Decimals

1st # in the box

ex 1) $6.8 \div 2 = 3.4$

$$\begin{array}{r} 3.4 \\ 2 \overline{) 6.8} \\ \underline{6} \\ 08 \\ \underline{08} \\ 0 \end{array}$$

ex 2) $7.7 \div 14$

$$\begin{array}{r} 0.55 \\ 14 \overline{) 7.70} \\ \underline{70} \\ 70 \\ \underline{70} \\ 0 \end{array}$$

$$\begin{array}{r} 2 \\ 14 \\ \underline{70} \end{array}$$

$$\begin{array}{r} 2 \\ 14 \\ \underline{84} \end{array}$$

ex 3) $14.19 \div 2.2$

$$\begin{array}{r} 6.45 \\ 2.2 \overline{) 14.190} \\ \underline{132} \\ 99 \\ \underline{88} \\ 110 \\ \underline{110} \\ 0 \end{array}$$

ex 4) $52 \div 0.4$

$$\begin{array}{r} 130.0 \\ 0.4 \overline{) 52.00} \\ \underline{4} \\ 12 \\ \underline{12} \\ 00 \\ \underline{00} \\ 0 \end{array}$$

You Try: pg 175 & 181

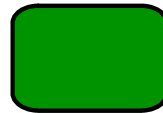
3) $8.53 \div 6$

1.4216



4) $13.95 \div 3.1$

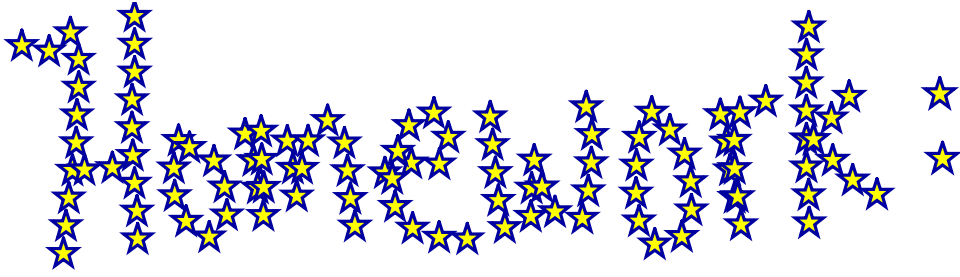
4.5



8) $2.943 \div 2.7$

1.09





x

pg 165; 12-22 even
pg 171; 12-22 even

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pg 175; 8-18 even
pg 181; 10-20 even