



In-class Assessment - Multiplying & Dividing Decimals

Self-assessment of understanding:					Self-assessment of work ethic:			
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1) **Estimate**, then **calculate** each product. ALWAYS SHOW ALL WORK.

Choose and complete any three, unless there is time to do them all.

a) $2.6 \times 1.5 = \boxed{3.9}$		b) $8.9 \times 0.3 = \boxed{2.67}$	
Estimate: (Approximate) $3 \times 1 = 3$	Calculate: (Exact) $\begin{array}{r} 26 \\ \times 15 \\ \hline 130 \\ + 260 \\ \hline 390 \end{array}$	Estimate: (Approximate) $9 \times 0 = 0$ $9 \times 0.5 = 4.5$ $9 \times 1 = 9$	Calculate: (Exact) $\begin{array}{r} 89 \\ \times 3 \\ \hline 267 \end{array}$
c) $0.8 \times 1.7 = \boxed{1.36}$		d) $63 \times 4.2 = \boxed{264.6}$	
Estimate: (Approximate) $0.5 \times 1 = 0.5$ $0.5 \times 2 = 1$	Calculate: (Exact) $\begin{array}{r} 57 \\ \times 8 \\ \hline 136 \end{array}$	Estimate: (Approximate) $60 \times 4 = 240$ $60 \times 5 = 300$	Calculate: (Exact) $\begin{array}{r} 63 \\ \times 42 \\ \hline 126 \\ + 2520 \\ \hline 2646 \end{array}$

2) **Estimate**, then **calculate** each quotient. ALWAYS SHOW ALL WORK.

Choose and complete any three, unless there is time to do them all.

a) $2.24 \div 0.8 = \boxed{2.8}$		b) $3.9 \div 2.6 = \boxed{1.5}$	
Estimate: (Approximate) $2 \div 1 = 2$	Calculate: (Exact) $\begin{array}{r} 28 \\ 8 \overline{) 224} \\ \underline{-16} \\ 64 \\ \underline{-64} \\ 0 \end{array}$	Estimate: (Approximate) $4 \div 2 = 2$	Calculate: (Exact) $\begin{array}{r} 15 \\ 26 \overline{) 390} \\ \underline{-26} \\ 130 \\ \underline{-130} \\ 0 \end{array}$ $\begin{array}{r} 3 \\ \times 6 \\ \hline 156 \end{array}$ $\begin{array}{r} 3 \\ \times 5 \\ \hline 130 \end{array}$ <p>Yes! Exactly!</p>
c) $2.9 \div 0.4 = \boxed{7.25}$		d) $5.9 \div 1.1 = \boxed{5.\overline{36}}$	
Estimate: (Approximate) $3 \div 0.5 = 6$ $3 \div 1 = 3$	Calculate: (Exact) $\begin{array}{r} 725 \\ 4 \overline{) 2900} \\ \underline{-28} \\ 10 \\ \underline{-8} \\ 20 \\ \underline{-20} \\ 0 \end{array}$	Estimate: (Approximate) $6 \div 1 = 6$	Calculate: (Exact) $\begin{array}{r} 53636 \\ 11 \overline{) 590000} \\ \underline{-55} \\ 340 \\ \underline{-33} \\ 610 \\ \underline{-66} \\ 40 \\ \underline{-33} \\ 70 \\ \underline{-66} \\ 4 \end{array}$