

Name \_\_\_\_\_

Date \_\_\_\_\_

Mr. Tallman

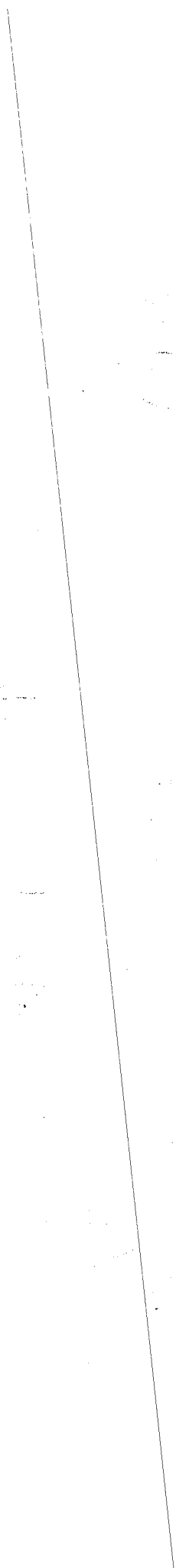
Math 7

**Homework #15 - Multiplying and Dividing Fractions****Evaluate the following. SHOW ALL WORK.**

1) $\frac{3}{4} \cdot \left(-\frac{1}{2}\right)$ $\frac{-3}{8}$	2) $\left(-\frac{2}{3}\right) \div \left(\frac{3}{2}\right)$ $\frac{-2}{3} \cdot \frac{2}{3} = \frac{-4}{9}$	3) $-\frac{5}{7} \cdot \left(-\frac{7}{5}\right) = \frac{35}{35}$ 1
4) $-2 \div \left(\frac{5}{8}\right)$ $-2 \cdot \frac{8}{5} = \frac{-16}{5}$ $-3\frac{1}{5}$	5) $3\frac{5}{6} \cdot \left(-1\frac{6}{7}\right)$ $\frac{23}{6} \cdot \frac{13}{7}$ Skip!	6) $-4\frac{1}{2} + \left(-6\frac{3}{4}\right)$ LCD: 4 $-\frac{9 \times 2}{2 \times 2} + \left(-\frac{27}{4}\right)$ $-\frac{36}{4} + \left(-\frac{27}{4}\right) = \frac{-63}{4} = -15\frac{3}{4}$
7) $\frac{1}{4} \cdot \left(-\frac{30}{16}\right)$ $\frac{-6}{4} = -\frac{3}{2}$	8) $\frac{3 \times 7}{138} - \left(-\frac{5 \times 4}{6}\right)$ LCM: 24 $\frac{21}{24} + \frac{20}{24} = \frac{41}{24}$ $1\frac{17}{24}$	9) $-5\frac{2}{3} \div \left(-2\frac{1}{2}\right)$ $-\frac{17}{3} \cdot \frac{5}{4}$ $-\frac{17}{3} \cdot \frac{5}{4} = \frac{68}{15}$ $4\frac{8}{15}$

10) A diver is currently at  $5\frac{1}{2}$  feet below sea level. He dives to be at a depth of three times the depth he is currently situated. What is the current depth of the diver?

$$-5\frac{1}{2} \cdot 3 = -16\frac{1}{2} \text{ ft}$$



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