

Name \_\_\_\_\_

Date \_\_\_\_\_ Answer Key \_\_\_\_\_

# Multiplying and Dividing Rational Numbers

Multiply or divide to solve each problem. All fractions and mixed numbers are in simplest form.

1. $-\frac{2}{5} \times (-\frac{3}{4}) = \underline{\frac{3}{10}}$	2. $25.6 \div (-8) = \underline{-3.2}$	3. $-\frac{4}{9} \div \frac{2}{3} = \underline{-\frac{2}{3}}$
4. $-2.78 \times 6.5 = \underline{-18.07}$	5. $1\frac{2}{9} \times (-5\frac{1}{2}) = \underline{-6\frac{13}{18}}$	6. $-3.45 \div 1.5 = \underline{-2.3}$
7. $-1\frac{3}{5} \div (-1\frac{2}{10}) = \underline{1\frac{1}{3}}$	8. $-8.1 \times 4.54 = \underline{-36.774}$	9. $-4\frac{2}{5} \times (-\frac{5}{12}) = \underline{1\frac{5}{6}}$

Keep going! Multiply or divide to solve each problem. Remember to first rewrite the problem so that the numbers have the same form. All answers are provided in decimal form.

10. $-4.2 \div (-\frac{2}{5}) = \underline{10.5}$ $-4.2 \div (-0.4)$	11. $1\frac{1}{10} \div (-0.05) = \underline{-24}$ $1.2 \div (-0.05)$	12. $-1.4 \times 5\frac{1}{4} = \underline{-7.35}$ $-1.4 \times 5.25$
13. $3\frac{1}{2} \times (-1.6) = \underline{-5.6}$ $3.5 \times (-1.6)$	14. $-2.55 \div \frac{3}{4} = \underline{-3.4}$ $-2.55 \div 0.75$	15. $12\frac{8}{10} \div (-3.2) = \underline{-4}$ $12.8 \div (-3.2)$