Name: **Grade:**   **Score:**

Worksheet #5

Multiplying Rational Numbers

Learning Goal: Students will be able to multiply and simplify rational numbers.

Example:

$$\frac{-1}{2} \times \frac{-5}{4} = \frac{5}{8}$$

a) $\dfrac{1}{3} \times \dfrac{-7}{3} =$

f) $\dfrac{-10}{4} \times \dfrac{3}{7} =$

b) $\dfrac{-2}{7} \times \dfrac{8}{5} =$

g) $\dfrac{-10}{3} \times \dfrac{2}{3} =$

c) $\dfrac{-2}{7} \times \dfrac{7}{3} =$

h) $\dfrac{-11}{2} \times \dfrac{1}{7} =$

d) $\dfrac{1}{7} \times \dfrac{-9}{2} =$

i) $\dfrac{-11}{5} \times \dfrac{1}{3} =$

e) $\dfrac{-2}{7} \times \dfrac{4}{5} =$

j) $\dfrac{-7}{5} \times -\dfrac{1}{3} =$

Worksheet #5(Answers)

Multiplying Rational Numbers

Learning Goal: Students will be able to multiply and simplify rational numbers.

Example:

$$\frac{-1}{2} \times \frac{-5}{4} = \frac{5}{8}$$

a) $\dfrac{1}{3} \times \dfrac{-7}{3} = \boxed{-\dfrac{7}{9}}$ f) $\dfrac{-10}{4} \times \dfrac{3}{7} = \boxed{-\dfrac{15}{14}}$

b) $\dfrac{-2}{7} \times \dfrac{8}{5} = \boxed{-\dfrac{16}{35}}$ g) $\dfrac{-10}{3} \times \dfrac{2}{3} = \boxed{-\dfrac{20}{9}}$

c) $\dfrac{-2}{7} \times \dfrac{7}{3} = \boxed{-\dfrac{2}{3}}$ h) $\dfrac{-11}{2} \times \dfrac{1}{7} = \boxed{-\dfrac{11}{14}}$

d) $\dfrac{1}{7} \times \dfrac{-9}{2} = \boxed{-\dfrac{9}{14}}$ i) $\dfrac{-11}{5} \times \dfrac{1}{3} = \boxed{-\dfrac{11}{15}}$

e) $\dfrac{-2}{7} \times \dfrac{4}{5} = \boxed{-\dfrac{8}{35}}$ j) $\dfrac{-7}{5} \times -\dfrac{1}{3} = \boxed{-\dfrac{7}{15}}$