

Name: _____

Grade: _____

Score: _____

Worksheet #2

**Multiplying Rational Numbers**

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

Example:

$$7 \times \frac{4}{5} = \frac{28}{5}$$

a) $5 \times \frac{-5}{6} =$

f) $\frac{-11}{4} \times 5 =$

b) $7 \times \frac{-11}{9} =$

g) $\frac{-7}{6} \times -10 =$

c) $3 \times \frac{-4}{9} =$

h) $-\frac{8}{7} \times 3 =$

d) $1 \times -\frac{4}{9} =$

i) $-\frac{9}{5} \times 1 =$

e) $9 \times -\frac{7}{3} =$

j) $-\frac{11}{3} \times 9 =$

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Worksheet #2(Answers)

**Multiplying Rational Numbers**

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

Example:

$$7 \times \frac{4}{5} = \frac{28}{5}$$

$$\text{a) } 5 \times \frac{-5}{6} = \boxed{-\frac{25}{6}} \quad \text{f) } \frac{-11}{4} \times 5 = \boxed{\frac{55}{4}}$$

$$\text{b) } 7 \times \frac{-11}{9} = \boxed{-\frac{77}{9}} \quad \text{g) } \frac{-7}{6} \times -10 = \boxed{\frac{35}{3}}$$

$$\text{c) } 3 \times \frac{-4}{9} = \boxed{-\frac{4}{3}} \quad \text{h) } -\frac{8}{7} \times 3 = \boxed{\frac{24}{7}}$$

$$\text{d) } 1 \times -\frac{4}{9} = \boxed{-\frac{4}{9}} \quad \text{i) } -\frac{9}{5} \times 1 = \boxed{-\frac{9}{5}}$$

$$\text{e) } 9 \times -\frac{7}{3} = \boxed{21} \quad \text{j) } -\frac{11}{3} \times 9 = \boxed{-33}$$