Worksheet #8

Multiplying Rational Numbers

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

Example:

$$2\frac{1}{3} \times \frac{7}{5} = \frac{49}{15}$$

a) $-1\frac{1}{3} \times \frac{5}{2} =$

f) $-\frac{8}{5} \times 3\frac{1}{5} =$

b) $-2\frac{1}{5} \times \frac{7}{2} =$

g) $-\frac{9}{5} \times 2\frac{1}{2} =$

c) $-1\frac{2}{3} \times \frac{3}{2} =$

h) $\frac{9}{2} \times -3\frac{2}{3} =$

d) $-5\frac{1}{3} \times \frac{1}{3} =$

i) $\frac{-10}{3} \times 2\frac{2}{5} =$

e) $-2\frac{2}{5} \times \frac{5}{2} =$

j) $\frac{7}{3} \times -2\frac{1}{3} =$

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

Worksheet #8(Answers)

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Example:

$$2\frac{1}{3} \times \frac{7}{5} = \frac{49}{15}$$

a) $-1\frac{1}{3} \times \frac{5}{2} = \boxed{-\dfrac{10}{3}}$ f) $-\frac{8}{5} \times 3\frac{1}{5} = \boxed{-\dfrac{128}{25}}$

b) $-2\frac{1}{5} \times \frac{7}{2} = \boxed{-\dfrac{77}{10}}$ g) $-\frac{9}{5} \times 2\frac{1}{2} = \boxed{-\dfrac{9}{2}}$

c) $-1\frac{2}{3} \times \frac{3}{2} = \boxed{-\dfrac{5}{2}}$ h) $\frac{9}{2} \times -3\frac{2}{3} = \boxed{\dfrac{33}{2}}$

d) $-5\frac{1}{3} \times \frac{1}{3} = \boxed{-\dfrac{16}{9}}$ i) $\frac{-10}{3} \times 2\frac{2}{5} = \boxed{-8}$

e) $-2\frac{2}{5} \times \frac{5}{2} = \boxed{-6}$ j) $\frac{7}{3} \times -2\frac{1}{3} = \boxed{\dfrac{49}{9}}$