Worksheet #7

Multiplying Rational Numbers

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

Example:

$$\frac{-6}{5} \times \frac{-6}{5} = \frac{36}{25}$$

a) $\dfrac{-9}{4} \times \dfrac{7}{5} = \boxed{}$

f) $\dfrac{-12}{7} \times -\dfrac{4}{3} = \boxed{}$

b) $-\dfrac{11}{2} \times \dfrac{-6}{5} = \boxed{}$

g) $-\dfrac{9}{4} \times \dfrac{8}{3} = \boxed{}$

c) $\dfrac{-9}{11} \times \dfrac{-5}{3} = \boxed{}$

h) $\dfrac{-10}{3} \times \dfrac{4}{9} = \boxed{}$

d) $-\dfrac{7}{5} \times \dfrac{11}{4} = \boxed{}$

i) $\dfrac{-9}{5} \times \dfrac{7}{2} = \boxed{}$

e) $\dfrac{-4}{7} \times \dfrac{5}{3} = \boxed{}$

j) $\dfrac{-8}{7} \times \dfrac{5}{3} = \boxed{}$

Worksheet #7(Answers)

Multiplying Rational Numbers

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

Example:

$$\frac{-6}{5} \times \frac{-6}{5} = \frac{36}{25}$$

a) $\frac{-9}{4} \times \frac{7}{5} = -\frac{63}{20}$

f) $\frac{-12}{7} \times -\frac{4}{3} = -\frac{16}{7}$

b) $-\frac{11}{2} \times \frac{-6}{5} = \frac{33}{5}$

g) $-\frac{9}{4} \times \frac{8}{3} = \frac{6}{1}$

c) $\frac{-9}{11} \times \frac{-5}{3} = \frac{15}{11}$

h) $\frac{-10}{3} \times \frac{4}{9} = \frac{40}{27}$

d) $-\frac{7}{5} \times \frac{11}{4} = \frac{77}{20}$

i) $\frac{-9}{5} \times \frac{7}{2} = \frac{63}{10}$

e) $\frac{-4}{7} \times \frac{5}{3} = \frac{20}{21}$

j) $\frac{-8}{7} \times \frac{5}{3} = \frac{40}{21}$