Worksheet #3

Multiplying Rational Numbers

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

Example:

$$-9 \times 1\frac{1}{5} = \frac{-54}{5}$$

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

f) $-1\frac{2}{5} \times -11 =$

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

g) $-1\frac{1}{4} \times 7 =$

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

h) $-2\frac{1}{7} \times 6 =$

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

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

e) $-9 \times 1\frac{5}{7} =$

j) $-2\frac{1}{3} \times 9 =$

Worksheet #3(Answers)

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

Example:

$$-9 \times 1\frac{1}{5} = \frac{-54}{5}$$

a) $5 \times -2\frac{1}{5} = \boxed{11}$

f) $-1\frac{2}{5} \times -11 = \boxed{\dfrac{77}{5}}$

b) $-7 \times -1\frac{2}{7} = \boxed{9}$

g) $-1\frac{1}{4} \times 7 = \boxed{-\dfrac{35}{4}}$

c) $-3 \times 2\frac{2}{9} = \boxed{-\dfrac{20}{3}}$

h) $-2\frac{1}{7} \times 6 = \boxed{-\dfrac{90}{7}}$

d) $-1 \times 2\frac{1}{7} = \boxed{\dfrac{15}{7}}$

i) $-1\frac{2}{5} \times 8 = \boxed{-\dfrac{56}{5}}$

e) $-9 \times 1\frac{5}{7} = \boxed{-\dfrac{108}{7}}$

j) $-2\frac{1}{3} \times 9 = \boxed{-21}$