

Name: _____

Grade: _____

Score: _____

Worksheet #6

**Multiplying Rational Numbers**

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

Example:

$$-2\frac{1}{2} \times -\frac{3}{5} = \frac{15}{10}$$

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

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

b) $-2\frac{1}{5} \times \frac{5}{6} =$

g) $-4\frac{1}{2} \times \frac{3}{7} =$

c) $-2\frac{4}{7} \times \frac{3}{4} =$

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

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

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

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

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

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Worksheet #6(Answers)

**Multiplying Rational Numbers**

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

Example:

$$-2\frac{1}{2} \times -\frac{3}{5} = \frac{15}{10}$$

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

$$f) -2\frac{2}{3} \times \frac{1}{7} = \boxed{-\frac{8}{21}}$$

$$b) -2\frac{1}{5} \times \frac{5}{6} = \boxed{-\frac{11}{6}}$$

$$g) -4\frac{1}{2} \times \frac{3}{7} = \boxed{-\frac{27}{14}}$$

$$c) -2\frac{4}{7} \times \frac{3}{4} = \boxed{-\frac{27}{14}}$$

$$h) -2\frac{2}{5} \times \frac{2}{9} = \boxed{-\frac{8}{15}}$$

$$d) -2\frac{1}{5} \times \frac{1}{5} = \boxed{-\frac{11}{25}}$$

$$i) -1\frac{2}{3} \times \frac{2}{3} = \boxed{-\frac{10}{9}}$$

$$e) -2\frac{1}{7} \times \frac{1}{6} = \boxed{-\frac{5}{14}}$$

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