

SEPT 18/09

MULTIPLYING RATIONAL NUMBERS

$$3 \times 4 = 12$$

$$-3 \times -4 = 12$$

IF THE SIGNS ARE THE SAME
THE ANSWER IS POSITIVE

$$+ve \times +ve = +ve$$

$$-ve \times -ve = +ve$$

$$+ \cdot + = +$$

$$- \cdot - = +$$

$$-\frac{1}{2} \times -\frac{3}{4} = \frac{3}{8}$$

$$\frac{5}{16} \times \frac{2}{3} = \frac{10}{48} = \frac{5}{24}$$

$$-3 \times 4 = -12$$

$$3 \times -4 = -12$$

IF THE SIGNS ARE DIFFERENT
THE ANSWER IS NEGATIVE

$$+ve \times -ve = -ve \quad + \cdot - = -$$

$$-ve \times +ve = -ve \quad - \cdot + = -$$

$$-\frac{4}{5} \times \frac{2}{3} = -\frac{8}{15}$$

$$\frac{5}{9} \times -\frac{3}{4} = -\frac{15}{36} \stackrel{\div 3}{=} -\frac{5}{12}$$

Pg 127-128 Q# 3-7, 9, 11-12