

multiplying integers

$$3 \times 4 = 12$$

$$3 \times 3 = 9$$

$$3 \times 2 = 6$$

$$3 \times 1 = 3$$

$$3 \times 0 = 0$$

$$3 \times -1 = -3$$

$$3 \times -2 = -6$$

$$3 \times -3 = -9$$

pos x neg = neg

$$1) -2\frac{1}{2} \cdot 1 = -2\frac{1}{2}$$

$$j) -8.1 \cdot -1 = 8.1$$

neg x neg = pos

$$k) 1 \cdot -6 = -6$$

P51 #4

$$a) 7 \cdot 2 = 14 \quad b) -7 \cdot -2 = 14 \quad c) 7 \cdot -2 = -14$$

$$d) -7 \cdot 2 = -14 \quad e) 8 \cdot 2.5 = 20 \quad f) -9 \cdot -4 = 36$$

$$g) 12 \cdot -3 = -36 \quad h) -1.5 \cdot 4 = 6 \quad i) 3.5 \times 7 = 24.5$$

$$\begin{array}{c}
 \text{opp} \quad \text{opp} \\
 \downarrow \quad \downarrow \\
 -(4) \cdot -(5) \\
 \swarrow \quad \searrow \\
 20 = -20 = 20
 \end{array}$$

$$\begin{array}{c}
 \text{b d) } -2 \cdot -3 \cdot -1 = -6 \\
 \swarrow \quad \searrow \\
 \times \quad \checkmark
 \end{array}$$

$$\begin{array}{c}
 \text{b f) } -\frac{3}{4} \cdot -\frac{5}{6} \cdot -\frac{7}{4} = \boxed{-2\frac{13}{32}} \\
 \quad \quad \quad \downarrow \\
 \quad \quad \quad -\frac{11}{6} \\
 \quad \quad \quad \swarrow \quad \searrow \\
 \quad \quad \quad \frac{33}{24} = \frac{11}{8} \quad \frac{77}{32}
 \end{array}$$