

Ex. 9.1 - p3

$$2 \text{ (iii)} \quad -\frac{1}{6}, -\frac{1}{6} \times \frac{-2}{-2}, -\frac{1}{6} \times \frac{-3}{-3}, -\frac{1}{6} \times \frac{-4}{-4}, -\frac{1}{6} \times \frac{-5}{-5}, -\frac{1}{6} \times \frac{-6}{-6}, -\frac{1}{6} \times \frac{-7}{-7}, -\frac{1}{6} \times \frac{-8}{-8}$$

$$= -\frac{1}{6}, \frac{2}{-12}, \frac{3}{-18}, \frac{4}{-24}, \frac{5}{-30}, \frac{6}{-36}, \frac{7}{-42}, \frac{8}{-48}$$

$$2 \text{ (iv)} \quad -\frac{2}{3}, -\frac{2}{3} \times \frac{-1}{-1}, -\frac{2}{3} \times \frac{-2}{-2}, -\frac{2}{3} \times \frac{-3}{-3}, -\frac{2}{3} \times \frac{-4}{-4}, -\frac{2}{3} \times \frac{-5}{-5}, -\frac{2}{3} \times \frac{-6}{-6}, -\frac{2}{3} \times \frac{-7}{-7}$$

$$= -\frac{2}{3}, \frac{2}{-3}, \frac{4}{-6}, \frac{6}{-9}, \frac{8}{-12}, \frac{10}{-15}, \frac{12}{-18}, \frac{14}{-21}$$

$$3 \text{ (i)} \quad -\frac{2}{7}, -\frac{2}{7} \times \frac{2}{2}, -\frac{2}{7} \times \frac{3}{3}, -\frac{2}{7} \times \frac{4}{4}, -\frac{2}{7} \times \frac{5}{5}$$

required numbers  $-\frac{4}{14}, -\frac{6}{21}, -\frac{8}{28}, -\frac{10}{35}$

$$\text{(ii)} \quad \text{reqd rational numbers}$$

$$= \frac{5}{-3} \times \frac{-1}{-1}, \frac{5}{-3} \times \frac{-2}{-2}, \frac{5}{-3} \times \frac{-3}{-3}, \frac{5}{-3} \times \frac{-4}{-4}$$

$$= -\frac{5}{3}, \frac{-10}{6}, \frac{-15}{9}, \frac{-20}{12}$$

$$\text{(iii)} \quad \text{required rational nos are}$$

$$-\frac{7}{4} \times \frac{2}{2}, -\frac{7}{4} \times \frac{3}{3}, -\frac{7}{4} \times \frac{4}{4}, -\frac{7}{4} \times \frac{5}{5}$$

$$= -\frac{14}{8}, -\frac{21}{12}, -\frac{28}{16}, -\frac{35}{20}$$

$$\text{(iv)} \quad \text{required rational nos } \frac{7}{8} \times \frac{2}{2}, \frac{7}{8} \times \frac{3}{3}, \frac{7}{8} \times \frac{4}{4}, \frac{7}{8} \times \frac{5}{5}$$

$$= \frac{14}{16}, \frac{21}{24}, \frac{28}{32}, \frac{35}{40}$$