

Class 5th

Math Weekly Task

Exercise 3.5

Solve

$$Q1 \quad \frac{1}{2} \times \left(\frac{2}{3} \times \frac{3}{4} \right)$$

$$= \frac{1}{2} \times \left(\frac{2^1 \times 3^1}{3^1 \times 4^2} \right)$$

$$= \frac{1}{2} \times \left(\frac{1 \times 1}{1 \times 2} \right)$$

$$= \frac{1}{2} \times \frac{1}{2}$$

$$= \frac{1 \times 1}{2 \times 2}$$

$$= \frac{1}{4}$$

$$Q2 \quad \frac{1}{5} \times \left(\frac{3}{4} \times \frac{2}{7} \right)$$

$$= \frac{1}{5} \times \left(\frac{3 \times 2}{4 \times 7} \right)$$

$$= \frac{1}{5} \times \left(\frac{3 \times 1}{2 \times 7} \right)$$

$$= \frac{1}{5} \times \frac{3}{14}$$

$$= \frac{1 \times 3}{5 \times 14}$$

$$= \frac{3}{70}$$

$$Q3 \quad \frac{1}{5} \times \left(\frac{5}{8} \times \frac{5}{7} \right)$$

$$= \frac{1}{5} \times \left(\frac{5 \times 5}{8 \times 7} \right)$$

$$= \frac{1}{5} \times \frac{25}{56}$$

$$= \frac{1 \times 5}{1 \times 56}$$

$$= \frac{5}{56}$$

$$\text{Q4 } \frac{3}{2} \times \left(\frac{8}{3} \times \frac{7}{4} \right)$$

$$= \frac{3}{2} \times \left(\frac{8 \times 7}{3 \times 4} \right)$$

$$= \frac{3}{2} \times \left(\frac{2 \times 7}{3 \times 1} \right)$$

$$= \frac{3}{2} \times \frac{14}{3}$$

$$= \frac{1 \times 7}{1 \times 1}$$

$$= \frac{7}{1} = 7$$

Q5 $\frac{7}{3} \times \left(\frac{1}{7} \times \frac{3}{2} \right)$

$$= \frac{7}{3} \times \left(\frac{1 \times 3}{7 \times 2} \right)$$

$$= \frac{\cancel{7}^1}{3_1} \times \left(\frac{\cancel{3}^1}{\cancel{7}_2} \right)$$

$$= \frac{1 \times 1}{1 \times 2}$$

$$= \frac{1}{2}$$