

Weekly Task: math

5th class

Exercise 3.3

$$Q7 \quad \frac{3}{8} + \left(\frac{7}{8} + \frac{5}{8} \right) = \left(\frac{3}{8} + \frac{7}{8} \right) + \frac{5}{8}$$

$$\frac{3}{8} + \left(\frac{12}{8} \right) = \left(\frac{10}{8} \right) + \frac{5}{8}$$

$$\frac{3}{8} + \frac{12}{8} = \frac{10}{8} + \frac{5}{8}$$

$$\frac{15}{8} = \frac{15}{8} \quad \text{LHS} = \text{RHS verified}$$

$$Q8 \quad \frac{1}{3} + \left(\frac{2}{3} + \frac{5}{3} \right) = \left(\frac{1}{3} + \frac{2}{3} \right) + \frac{5}{3}$$

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

$$\frac{1}{3} + \frac{7}{3} = \frac{3}{3} + \frac{5}{3}$$

$$\frac{1+7}{3} = \frac{3+5}{3}$$

$$\frac{8}{3} = \frac{8}{3} \quad \text{LHS} = \text{RHS verified}$$

$$Q9 \quad \frac{3}{7} + \left(\frac{1}{7} + \frac{2}{7} \right) = \left(\frac{3+1}{7} \right) + \frac{2}{7}$$

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

$$\frac{3}{7} + \frac{3}{7} = \frac{4}{7} + \frac{2}{7}$$

$$\frac{3+3}{7} = \frac{4+2}{7}$$

$$\frac{6}{7} = \frac{6}{7} \quad \text{RHS} = \text{LHS verified}$$

$$Q10 \quad \frac{3}{19} + \left(\frac{7}{19} + \frac{15}{19} \right) = \left(\frac{3+7}{19} \right) + \frac{15}{19}$$

$$\frac{3}{19} + \left(\frac{7+15}{19} \right) = \left(\frac{3+7}{19} \right) + \frac{15}{19}$$

$$\frac{3}{19} + \left(\frac{22}{19} \right) = \frac{10}{19} + \frac{15}{19}$$

$$\frac{3+22}{19} = \frac{10+15}{19}$$

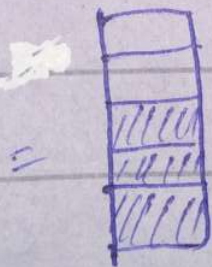
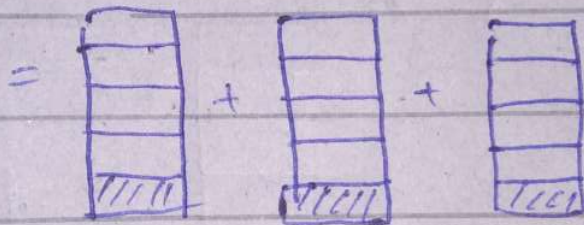
$$\frac{25}{19} = \frac{25}{19} \quad \text{LHS} = \text{RHS verified}$$

Exercise 3.4

Multiply the following
fractions by numbers
Using Diagrams

Q1: $\frac{1}{5} \times 3$

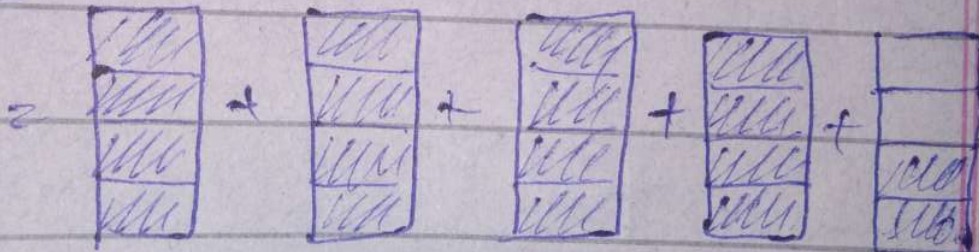
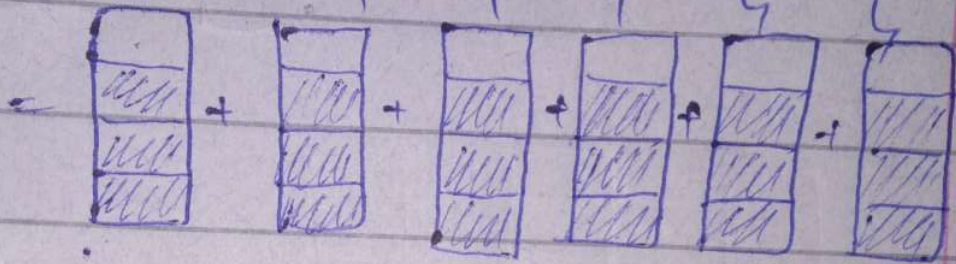
$$\frac{1}{5} \times 3 = \frac{1}{5} + \frac{1}{5} + \frac{1}{5}$$



$$= \frac{3}{5}$$

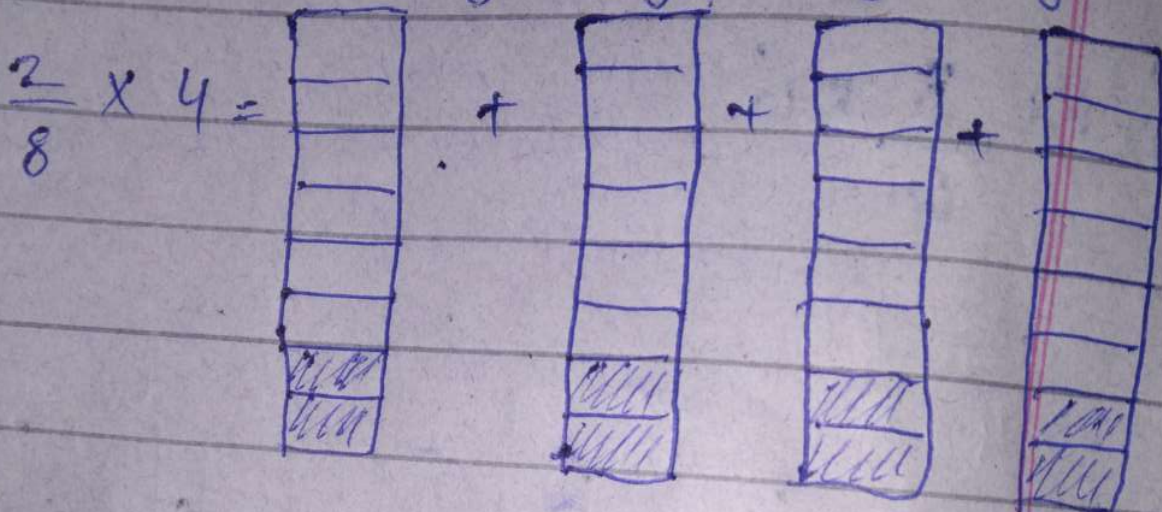
Q2: $\frac{3}{4} \times 6$

$$\frac{3}{4} \times 6 = \frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4} + \frac{3}{4}$$



$$= 1 + \frac{1}{4} + 1 + 1 + \frac{2}{4}$$
$$= 4 \frac{2}{4}$$

Q3 $\frac{2}{8} \times 4 = \frac{2}{8} + \frac{2}{8} + \frac{2}{8} + \frac{2}{8}$



$= 1 \text{ or } \frac{8}{8}$