

# Ex 2.2

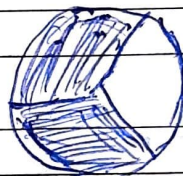
Q1 Which of the drawings (a) to (d) show:

(i)  $2 \times \frac{1}{5}$

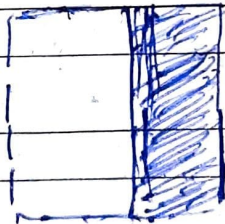
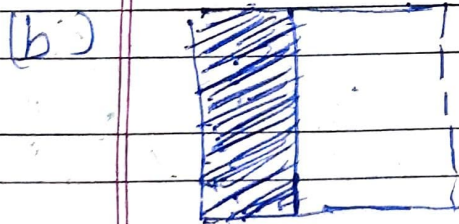
(ii)  $2 \times \frac{1}{2}$

(iii)  $3 \times \frac{2}{3}$

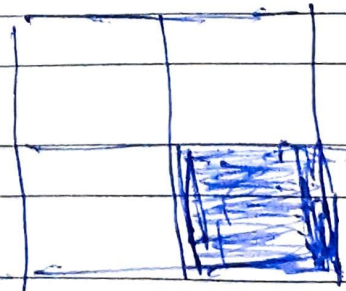
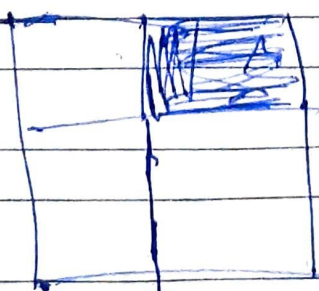
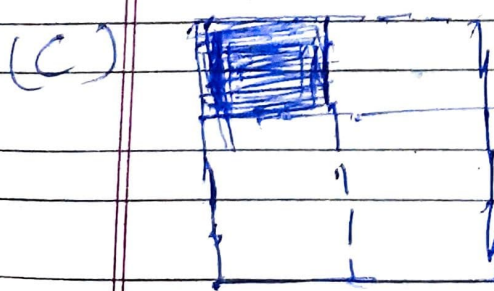
(iv)  $3 \times \frac{1}{4}$



(iii)  $3 \times \frac{2}{3} = \frac{2}{3} + \frac{2}{3} + \frac{2}{3}$

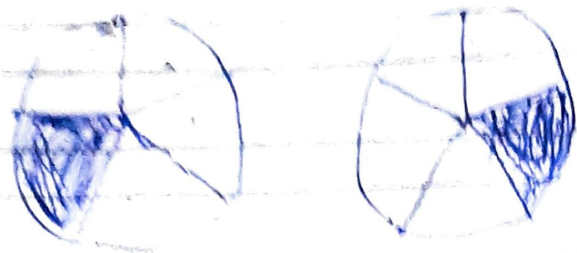


(ii)  $2 \times \frac{1}{2} = \frac{1}{2} + \frac{1}{2}$



(iv)  $3 \times \frac{1}{4} = \frac{1}{4} + \frac{1}{4} + \frac{1}{4}$

(1)



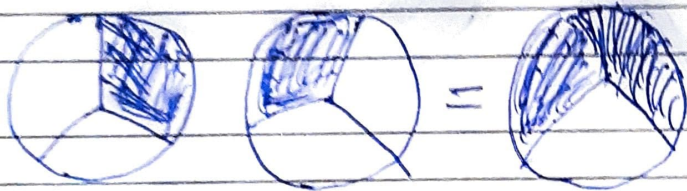
$$(i) 2 \times \frac{1}{5} = \frac{2}{5} \quad 1 \frac{1}{5}$$

(2)

Some pictures (a) to (c) are given below. Tell which of them show:

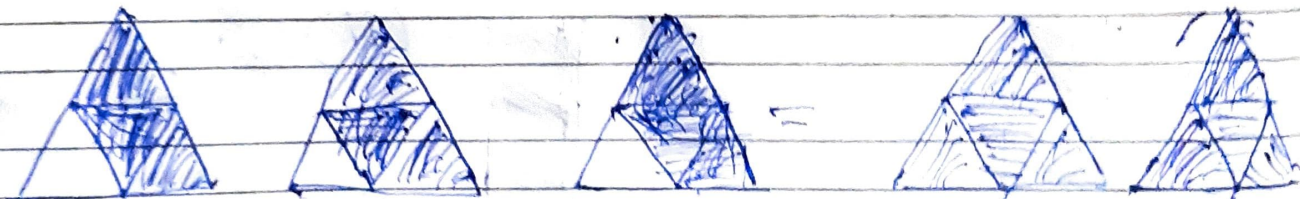
$$(i) 3 \times \frac{1}{5} = \frac{3}{5} \quad (ii) 2 \times \frac{1}{3} = \frac{2}{3} \quad (iii) 3 \times \frac{3}{4} = 2 \frac{1}{4}$$

(a)

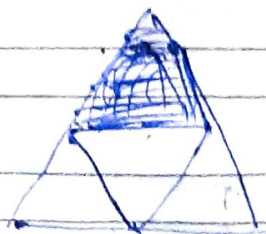


$$(ii) 2 \times \frac{1}{3} = \frac{2}{3}$$

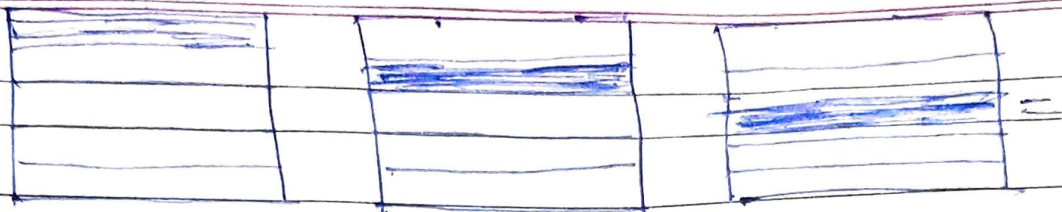
(b)



$$(iii) 3 \times \frac{3}{4} = 2 \frac{1}{4}$$







(c)

$$(i) \quad 3 \times \frac{1}{5} = \frac{3}{5}$$



(3) Multiply and reduce to lowest form and convert into a mixed fraction

solution

$$(i) \quad 7 \times \frac{3}{5} = \frac{21}{5} = 4\frac{1}{5} \quad \begin{array}{r} 5 \overline{)21} \\ \underline{20} \\ 1 \end{array} \quad (4\frac{1}{5})$$

$$(ii) \quad 4 \times \frac{1}{3} = \frac{4}{3} = 1\frac{1}{3}$$

$$(iii) \quad 2 \times \frac{6}{7} = \frac{12}{7} = 1\frac{5}{7}$$

$$(iv) \quad 5 \times \frac{2}{9} = \frac{10}{9} = 1\frac{1}{9}$$

$$(v) \quad \frac{2}{3} \times 4 = \frac{8}{3} = 2\frac{2}{3}$$

solution

$$(vi) \quad \frac{5}{9} \times 6^3 = 15$$

$$(vii) \quad 11 \times \frac{4}{7} = \frac{44}{7} = 6\frac{2}{7}$$

$$(viii) \quad \frac{4}{20} \times \frac{4}{5} = 16$$

$$(ix) \quad 13 \times \frac{1}{3} = \frac{13}{3} = 4\frac{1}{3}$$

$$(x) \quad \frac{3}{18} \times \frac{3}{5} = 9 \quad \text{Ans.}$$