

## Exercise 4B

$$\left(v\right)0<\frac{3}{5}$$

L. C. M. of 1 and 5 is 5.  

$$\frac{0 \times 1}{1 \times 5} = \frac{0}{5}$$
  
 $\frac{3 \times 1}{5 \times 1} = \frac{3}{5}$   
 $\frac{0}{5} < \frac{3}{5}$ 

3	9,10
3	3,10
5	1,10
2	1,2
	1,1

## Q5

## Answer:

(i) 
$$\frac{2}{5}$$
,  $\frac{7}{10}$ ,  $\frac{8}{15}$ ,  $\frac{13}{30}$   
L. C. M. of 5, 10, 15 and 30 is 30

$$\begin{array}{l} \frac{2\times 6}{5\times 6} = \frac{12}{30} \\ \frac{7\times 3}{10\times 3} = \frac{21}{30} \\ \frac{8\times 2}{15\times 2} = \frac{16}{30} \\ \frac{13\times 1}{30\times 1} = \frac{13}{30} \end{array}$$

Required order:  $\frac{2}{5}<\frac{13}{30}<\frac{8}{15}<\frac{7}{10}$ 

$$\left(ii
ight)rac{-3}{4},rac{5}{-12},rac{-7}{16},rac{9}{-24}$$

First, we need to convert each negative denominator into positive.

$$\begin{array}{c} -\frac{3}{4} \ , \frac{5\times -1}{-12\times -1} \ , \frac{-7}{16} \ , \frac{9\times -1}{-24\times -1} \\ \frac{-3}{4} \ , \frac{-5}{12} \ , \frac{-7}{16} \ , \frac{-9}{24} \end{array}$$