Exercise 4A

(iv) $\frac{4}{-9}$

(v) -6

(vi) $\frac{1}{-2}$

Q7

Answer :

(i) Following are the four rational numbers that are equivalent to $\frac{6}{11}$.

$\frac{6\times2}{11\times2}, \frac{6\times3}{11\times3}, \frac{6\times4}{11\times4}$ and $\frac{6\times5}{11\times5}$

i.e. $\frac{12}{22}, \frac{18}{33}, \frac{24}{44}$ and $\frac{30}{55}$

(ii) Following are the four rational numbers that are equivalent to $\frac{-3}{8}$.

$\frac{-3\times2}{8\times2}, \frac{-3\times3}{8\times3}, \frac{-3\times4}{8\times4}$ and $\frac{-3\times5}{8\times5}$

i.e. $\frac{-6}{16}, \frac{-9}{24}, \frac{-12}{32}$ and $\frac{-15}{40}$

(iii) Following are the four rational numbers that are equivalent to $\frac{7}{-15}$.

$\frac{7\times2}{-15\times2}, \frac{7\times3}{-15\times3}, \frac{7\times4}{-15\times4}$ and $\frac{7\times5}{-15\times5}$

(iv) Following are the four rational numbers that are equivalent to 8, i.e. $\frac{8}{1}$.

$\frac{8\times2}{1\times2}, \frac{8\times3}{1\times3}, \frac{8\times4}{1\times4}$ and $\frac{8\times5}{1\times5}$

i.e. $\frac{16}{2}, \frac{24}{3}, \frac{32}{4}$ and $\frac{40}{5}$

(v) Following are the four rational numbers that are equivalent to -1, i.e. $\frac{1}{1}$.

$\frac{1\times2}{1\times2}, \frac{1\times3}{1\times3}, \frac{1\times4}{1\times4}$ and $\frac{1\times5}{1\times5}$

i.e. $\frac{2}{2}, \frac{3}{3}, \frac{4}{4}$ and $\frac{5}{5}$

(vi) Following are the four rational numbers that are equivalent to -1, i.e. $\frac{-1}{1}$.

$\frac{-1\times2}{1\times2}, \frac{-1\times3}{1\times3}, \frac{-1\times4}{1\times4}$ and $\frac{-1\times5}{1\times5}$

i.e. $\frac{-2}{2}, \frac{-3}{3}, \frac{-4}{4}$ and $\frac{-5}{5}$

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