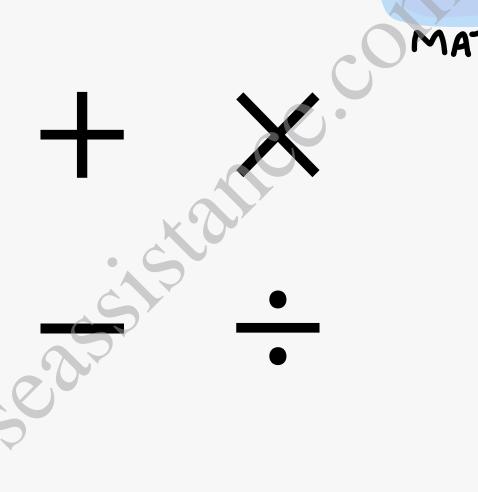
Number System Ex. 1.1



Ex. 1.1

1.) Yes, o is a rational number. Yes, o can be written in the form of f

2.)
$$6+1=7$$

 $3=\frac{3}{1}\times\frac{7}{7}=\frac{21}{7}$
 $4=\frac{4}{1}\times\frac{7}{7}=\frac{28}{7}$

Lisc rational numbers are $\frac{22}{7}$, $\frac{23}{7}$, $\frac{24}{7}$, $\frac{25}{7}$, $\frac{26}{7}$, $\frac{27}{7}$

DR

3 and 4 can be written as 3.0 and 4.0 Sisc rational numbers are 3.1, 3.2, 3.3, 3.4, 3.5, 3.6

$$\begin{array}{c}
 5 + 1 = 6 \\
 \hline
 3 = \frac{3}{5} \times \frac{6}{6} = \frac{18}{30}
 \end{array}$$

$$\frac{4}{5} = \frac{4}{5} \times \frac{6}{6} = \frac{24}{30}$$

Five rational numbers are $\frac{19}{30}$, $\frac{20}{30}$, $\frac{21}{30}$, $\frac{22}{30}$, $\frac{23}{30}$

3) <u>Ol</u> = 0.6 and 4 = 0.8 bro 00.0 aos nettires sel nos 8.0 bros 0.0 Five rational numbers are 0.61, 0.62, 0.63, 0.64, 0.65 4) 1) True, every natural number is a whole number as all the natural numbers belong to whole numbers. (1) Folse, every integer is not a whole number e.g. (-S) is an integer but not a whole number:

(ii) Folse, every rational number is not a

whole number e.g. 2 is a rational number
but not a whole number.