1.Encircle the best (only one) option in each of the given statement.

(i) To plot $\dfrac{-1}{7}$ on a number line, the number of divisions that will be made between 0 and - 1 is/are:
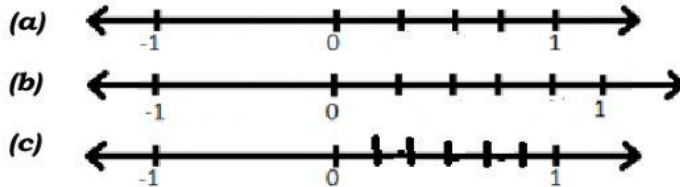
(a) 0   (b) -1   (c) 7   (d) -7

(ii) To plot positive rational numbers on a number line we move towards the which of the side of 0 on the number line.

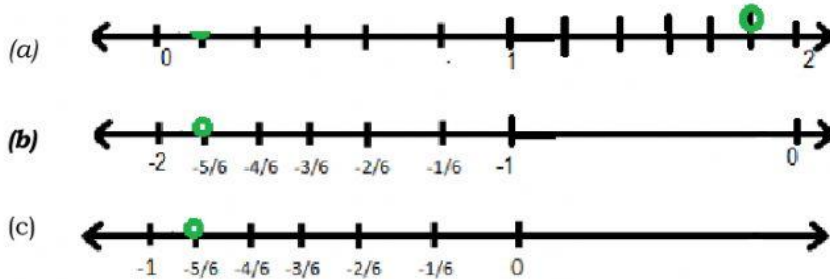(a) **Left**   (b) **right**   (c) **centre**   (d) **up**

(iii) $\dfrac{1}{10}$ will be plotted between :

(a) **0 & 1**   (b) **1 & 10**   (c) **-1 & 0**   (d) **0 & 10**

(iv) Which number line shows correct number of divisions for $\dfrac{2}{5}$:

(a)

(b)

(c)

(v) Tick the number line which shows representation of $-1\dfrac{5}{6}$.

(a)

(b)

(c)

(vi) Aysha solved the question $\dfrac{-1}{3} + \dfrac{3}{4} - \dfrac{1}{6}$ as follows .

$\dfrac{-1}{3} + \dfrac{3}{4} - \dfrac{1}{6} = \dfrac{-4}{12} + \dfrac{9}{12} - \dfrac{2}{12}$ **Step 1**

$\qquad = \dfrac{-4+9-2}{12}$ **Step 2**

$\qquad = \dfrac{1}{4}$ **Step 3**

Which step of the solution contain a mistake ?

(a) Step 1   (b) Step 2   (c) Step 3   (d) There is no mistake

(vii) Which of the following statement is true?

(a) $-\dfrac{1}{3} = \dfrac{-1}{3} = \dfrac{1}{-3}$ (b) $-\dfrac{1}{3} = -\dfrac{3}{1} = -3$

(c) $-\dfrac{1}{3} = -\dfrac{1}{-3} = -\dfrac{-1}{3}$ (d) $-\dfrac{1}{3} = -\dfrac{-1}{3} = \dfrac{1}{-3}$

2. Which of the following figure shows $\dfrac{-11}{5}$ correctly ?

3. On the number line (given at right)the interval from -1 to 0 & 0 to 1 is divided into 5 equal parts .

Choose the rational numbers which are

represented by 'A' & 'B'?

A= $\dfrac{-4}{5}$ or $-1\dfrac{1}{5}$ B= $1\dfrac{4}{5}$ or $\dfrac{4}{5}$