NCERT SOLUTIONS FOR CLASS 6 MATHS FRACTIONS EXERCISE 7.2

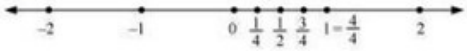
Question 1:

Draw number lines and locate the points on them:

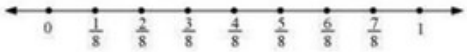
(a) $\frac{1}{2}, \frac{1}{4}, \frac{3}{4}, \frac{4}{4}$ (b) $\frac{1}{8}, \frac{2}{8}, \frac{3}{8}, \frac{7}{8}$ (c) $\frac{2}{5}, \frac{3}{5}, \frac{8}{5}, \frac{4}{5}$

Answer:

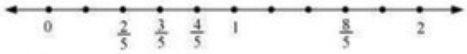
(a) $\frac{1}{2}, \frac{1}{4}, \frac{3}{4}, \frac{4}{4}$



(b)



(c)



Question 2:

Express the following as mixed fractions:

(a) $\frac{20}{3}$ (b) $\frac{11}{5}$ (c) $\frac{17}{7}$

(d) $\frac{28}{5}$ (e) $\frac{19}{6}$ (f) $\frac{35}{9}$

Answer:

(a)

$$\frac{20}{3} = \frac{18+2}{3} = \frac{18}{3} + \frac{2}{3}$$

$$= 6 + \frac{2}{3} = 6\frac{2}{3}$$

(b)

$$\frac{11}{5} = \frac{10+1}{5} = \frac{10}{5} + \frac{1}{5}$$

$$= 2 + \frac{1}{5} = 2\frac{1}{5}$$

(c)

$$\frac{17}{7} = \frac{14+3}{7} = \frac{14}{7} + \frac{3}{7}$$

$$= 2 + \frac{3}{7} = 2\frac{3}{7}$$

(d)

$$\frac{28}{5} = \frac{25+3}{5} = \frac{25}{5} + \frac{3}{5}$$

$$= 5 + \frac{3}{5} = 5\frac{3}{5}$$

(e)

$$\frac{19}{6} = \frac{18+1}{6} = \frac{18}{6} + \frac{1}{6}$$

$$= 3 + \frac{1}{6} = 3\frac{1}{6}$$

(f)

$$\frac{35}{9}=\frac{27+8}{9}=\frac{27}{9}+\frac{8}{9}$$

$$=3+\frac{8}{9}=3\frac{8}{9}$$

Question 3:

Express the following as improper fractions:

(a) $7\frac{3}{4}$ (b) $5\frac{6}{7}$ (c) $2\frac{5}{6}$

(d) $10\frac{3}{5}$ (e) $9\frac{3}{7}$ (f) $8\frac{4}{9}$

Answer:

(a) $7\frac{3}{4}=\frac{(4\times7)+3}{4}=\frac{31}{4}$

(b) $5\frac{6}{7}=\frac{(7\times5)+6}{7}=\frac{41}{7}$

(c) $2\frac{5}{6}=\frac{(6\times2)+5}{6}=\frac{17}{6}$

(d) $10\frac{3}{5}=\frac{(5\times10)+3}{5}=\frac{53}{5}$

(e) $9\frac{3}{7}=\frac{(7\times9)+3}{7}=\frac{66}{7}$

********** END **********