

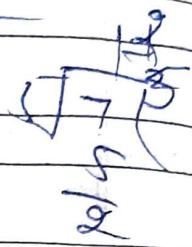
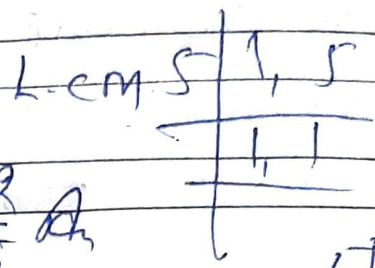
Exo 2.1

1 solve

(i)  $2 - \frac{3}{5}$

Solution

$\rightarrow 2 - \frac{3}{5}$   
 $\rightarrow \frac{10}{5} - \frac{3}{5} = \frac{7}{5} = 1\frac{2}{5}$  Ans



(ii)  $4 + \frac{7}{8}$

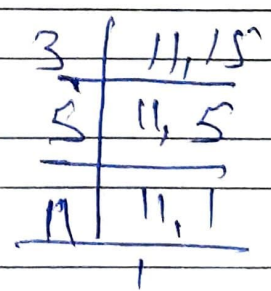
$\frac{32}{8} + \frac{7}{8} = \frac{39}{8} = 4\frac{7}{8}$  Ans.

(iii)  $\frac{3}{5} + \frac{2}{7}$

$= \frac{21}{35} + \frac{10}{35} = \frac{31}{35}$

(iv)  $\frac{9}{11} - \frac{4}{15}$

$= \frac{135}{165} - \frac{44}{165} = \frac{91}{165}$  Ans.



$3 \times 5 \times 11 = 165$

135
- 44
91

(V)  $\frac{7}{10} + \frac{2}{5} + \frac{3}{10}$

=  $\frac{7+4+3}{10} = \frac{14}{10} = 1\frac{4}{10} = 1\frac{2}{5}$  Ans.

(VI)  $2\frac{2}{3} + 3\frac{1}{2}$

=  $\frac{8}{3} + \frac{7}{2}$

=  $\frac{16+21}{6} = \frac{37}{6} = 6\frac{1}{6}$  Ans.

(VII)  $8\frac{1}{2} - 3\frac{5}{8}$

=  $\frac{17}{2} - \frac{29}{8}$

=  $\frac{68-29}{8} = \frac{39}{8} = 4\frac{7}{8}$  Ans.

Q. Arrange the following in descending order

(i)  $\frac{2}{9}, \frac{2}{3}, \frac{8}{21}$  Solution  $\frac{2}{9}, \frac{2}{3}, \frac{8}{21}$

3	9	3, 21
3	3	1, 7
9	1	1, 7
	1	1, 1

=  $\frac{14, 42, 24}{63}$

D.O.  $\frac{2}{3}, \frac{8}{21}, \frac{2}{9}$  Ans.



(11)

$$\frac{1}{5}, \frac{3}{7}, \frac{7}{10}$$

$$\frac{14, 30, 49}{70}$$

70

$$\text{DD. } \frac{7}{10}, \frac{3}{7}, \frac{1}{5}$$

(3) In a "magic square", the sum of the numbers in each row, in each column and along the diagonals is the same. Is this a magic square?

$\frac{4}{11}$	$\frac{9}{11}$	$\frac{2}{11}$	$\frac{15}{11}$
$\frac{3}{11}$	$\frac{5}{11}$	$\frac{7}{11}$	$\frac{15}{11}$
$\frac{8}{11}$	$\frac{1}{11}$	$\frac{6}{11}$	$\frac{15}{11}$
$\frac{15}{11}$	$\frac{15}{11}$	$\frac{15}{11}$	$\frac{15}{11}$

Ans yes

(4) A rectangular sheet of paper is  $12\frac{1}{2}$  cm long and  $10\frac{2}{3}$  cm wide find its perimeter

Solution Area of rectangle = Length  $\times$  Breadth

$$= 12\frac{1}{2} \text{ cm} \times 10\frac{2}{3} \text{ cm}$$

$$= \frac{25}{2} \times \frac{32}{3} = \frac{400}{3} \text{ cm}^2$$

$$\text{P.M. of Rectangle} = 2(l+b)$$

$$= 2\left(12\frac{1}{2} + 10\frac{2}{3}\right)$$

$$= 2\left(\frac{25}{2} + \frac{32}{3}\right)$$

$$= 2\left(\frac{75+64}{6}\right)$$

$$= 2\left(\frac{139}{6}\right)$$

$$= \frac{139}{3} = 46\frac{1}{3} \text{ cm}$$