

H.W.  
9/12/21

## Chapter - 9

### FRACTIONS

#### Worksheet (Answers)

- 1) Unlike      j) fractions  
a) Mixed  
b) Improper  
c) 17  
d)  $\frac{1}{1} / 1$   
e) 5  
f) 9  
g) Proper  
h) Like

Q2 >

a)  $\frac{3}{5}$  of 25

$$= \frac{3}{5} \times \frac{25}{1} = \frac{15}{1} = 15$$

b)  $\frac{19}{2} = 9\frac{1}{2}$

c)  $6\frac{2}{9} = (9 \times 6) + 2 = 54 + 2$   
 $= \frac{56}{9} = 6\frac{2}{9}$

d)  $\frac{3}{4} \otimes \frac{2}{5} = \frac{15}{20} \otimes \frac{8}{20}$

e)  $\frac{18}{42} = \frac{18^3}{42^3} = \frac{3}{7}$

Q3) Solve as per the given instructions.

$$\begin{aligned}
 a) \quad & 2\frac{5}{13} + \frac{7}{13} + 3\frac{9}{26} \\
 = & (2+3) + \left(\frac{5}{13} + \frac{7}{13} + \frac{9}{26}\right) \\
 = & \frac{10+14+9}{26} \\
 = & \frac{33}{26} = 1\frac{7}{26} + 6 \\
 = & 7\frac{7}{26}
 \end{aligned}$$

$$\begin{aligned}
 b) \quad & 9\frac{5}{7} - 5\frac{7}{9} \\
 = & (9-5) + \left(\frac{5}{7} - \frac{7}{9}\right) \\
 = & 4 + \left(\frac{5}{7} - \frac{7}{9}\right) \\
 = & \frac{45-49}{63} \\
 = & \frac{-4}{63} + 4 = 3\frac{59}{63}
 \end{aligned}$$

$$c) \quad \frac{24}{5} \times \frac{3}{4} \times \frac{1}{4} = \frac{3}{20}$$

$$\begin{aligned}
 d) \quad & \\
 = & \frac{(12+10)-15}{20} \\
 = & \frac{22-15}{20} \\
 = & \frac{7}{20}
 \end{aligned}$$

$$\begin{aligned}
 e) \quad & \text{Length of the ribbon} = 3\frac{1}{2} \text{ m} \\
 & \text{Pieces to be cut} = 7 \\
 & \text{Length of each piece} \\
 = & 3\frac{1}{2} \text{ m} \div 7 \\
 = & \frac{7}{2} \text{ m} \div \frac{7}{1} = \frac{7}{2} \times \frac{1}{7} = \frac{1}{2}
 \end{aligned}$$

$\therefore$  So, the length of each piece of the ribbon is  $\frac{1}{2}$  m.