

I. Multiple choice questions:

1. Division    2. Decimals    3. 9.52    4. Equivalent    5. -108

II. Match the following:

6. Numerator is greater    7.  $6\frac{1}{4}$     8. 18    9. Numerator is 1

III. Find out:

$$\begin{aligned} 10. \quad x + 19.461 &= 31.021 \\ x &= 31.021 - 19.461 \\ x &= 11.56 \end{aligned}$$

11. i)  $\frac{3}{4}$                       ii)  $\frac{2}{8}$

$$\begin{aligned} 12. (2 \times 1) + (5 \times \frac{1}{10}) &= 2 + \frac{5}{10} \\ &= 2 + 0.5 \\ &= 2.5 \end{aligned}$$

IV. Answer the following:

13.  $\frac{5}{8} = \frac{20}{P}$

$$\begin{aligned} 5 \times p &= 8 \times 20 \\ 5 \times p &= 160 \\ p &= \frac{160}{5} \end{aligned}$$

$p = 32$     Ans:  $P = 32$

14.  $4\frac{1}{12} = \frac{(4 \times 12) + 1}{12} = \frac{49}{12}$                       Ans:  $\frac{49}{12}$

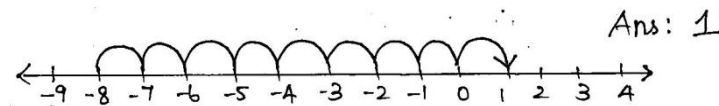
15.  $-720$   
 $-335$  (+)  

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 $-1055$     Ans

V. Solve the following: (Any 4)

16. 9 more than  $-8 = 9 + (-8)$



17. a)  $\frac{2}{7} \times \frac{3}{3} = \frac{6}{21}$                       (b)  $\frac{2}{7} \times \frac{7}{7} = \frac{14}{49}$

18.  $24.8 = \frac{248}{10} = \frac{124}{5}$                       Ans:  $\frac{124}{5}$

19.  $632 + (-232) + 750$   
 $= 632 - 232 + 750$   
 $= (632 - 750) - 232$   
 $= 1382 - 232 = 1150$                       Ans: 1150

20.  $3\frac{1}{5} + 4\frac{2}{3}$

$3\frac{1}{5} = \frac{16}{5}$                        $4\frac{2}{3} = \frac{14}{3}$                        $\frac{16}{5} + \frac{14}{3}$

LCM of 5, 3 is 15

$\frac{16 \times 3}{5 \times 3} = \frac{48}{15}$                        $\frac{14 \times 5}{3 \times 5} = \frac{70}{15}$

$\frac{48}{15} + \frac{70}{15} = \frac{118}{15} \rightarrow 7\frac{13}{15}$                       Ans:  $7\frac{13}{15}$

V. Answer the following: (Any two)

$$\begin{aligned}21. \quad \text{The length of Latha's hair} &= 15\text{cm } 3\text{mm} \\15\text{cm } 3\text{mm} &= 15\text{cm} + 3\text{mm} \\3\text{mm} \rightarrow 1\text{cm} &= 10\text{mm} \\1\text{mm} &= \frac{1}{10}\text{cm} \\3\text{mm} &= \frac{3}{10}\text{cm} = 0.3\text{cm} \\15\text{cm} + 0.3\text{cm} &= 15.3\text{cm Ans}\end{aligned}$$

$$\begin{aligned}22. \text{ a) } (-11) + (-7) &= -11 - 7 \\ \text{ b) } 2 + (-12) &= 2 - 12 = -10 \\ \text{ c) } -7 - 1 - 8 &= -8 - 8 = -16 \\ \text{ d) } 8 - 3 + 5 &= (8 + 5) - 3 = 13 - 3 = 10 \\ \text{ e) } -14 - 1 + 2 &= (-14 - 1) + 2 = -15 + 2 = -13\end{aligned}$$

23. No. of Chocolates

$$\begin{aligned}\text{i) Rahul had} &= 6 \\ \text{Rahul Gave to Ananya} &= 4 \\ \text{Fraction of chocolates give to Ananya} &= \frac{4}{6} = \frac{2}{3} \\ \text{ii) Meena had} &= 12 \\ \text{Meena gave to Ananya} &= 8 \\ \text{Fraction of chocolates given to Ananya} &= \frac{8}{12} = \frac{2}{3} \\ \text{iii) Patrick had} &= 15 \\ \text{Patrick gave to Ananya} &= 10 \\ \text{Fraction of chocolates given to Ananya} &= \frac{10}{15} = \frac{2}{3} \\ \text{Ans: Fraction of chocolates all three gave is} &= \frac{2}{3}\end{aligned}$$