Kashif Ahmed   14225

Basic Maths

Submitted To = Sir Raza Ahmed Khan

Name = Kashif Ahmed

ID = 14225

Subject = Basic Maths

Teacher = Raza Ahmed Khan

Mid Term (summers)

Q1) Evaluate the following :-

(a) $\dfrac{2}{3} \div 3 \times \dfrac{4}{6} + \dfrac{4}{9}$.

Solution:

$$\dfrac{2}{3} \times \dfrac{1}{3} \times \dfrac{4}{3} + \dfrac{4}{9}$$

Reduced the number with high common factor

$$\dfrac{1}{3} \times \dfrac{1}{3} \times \dfrac{4}{3} + \dfrac{4}{9}$$

Multiplying the factors

$$\dfrac{4}{27} + \dfrac{4}{9}$$

Adding the fraction

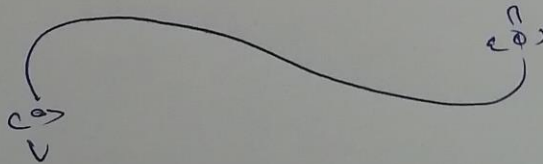$\frac{16}{27}$ or   0.592   <u>Answer</u>

(B) $\left(\frac{2}{4} + \frac{4}{6}\right) - \frac{5}{8}$

Adding fractions

$\frac{7}{6} \times \frac{-5}{8}$

Multiplying fraction

$\frac{-35}{48}$ or 0.72   ANS

$$6 \frac{x}{4} + 7 \frac{4}{3} = 6$$

Solution:-

$$\frac{6x}{4} = 6 - \frac{25}{3}$$

$$\frac{6x}{4} = \frac{18-25}{3}$$

$$\frac{6x}{4} = -\frac{7}{3}$$

$$x = -\frac{7}{3} \times \frac{4}{6}$$

$$x = \frac{-28}{18}$$

$$x = \frac{-14}{9} \quad \text{ANS}$$

Q2

(1) $3(3-2)+4x=4$

Ans) Solution:-

$3(1)+4x=4$

$3+4x=4$

$4x=4-3$

$\dfrac{4x}{4}=\dfrac{1}{4}$

$\boxed{x=\dfrac{1}{4}}$ ANSWER

(ii) $4(2-5)^3+6$

Solution:-

$=4(-3)^3+6$

$=4(-27)+6$

$=-108+6$

$=-102$ ANS

(iii) $3 \frac{3}{5} + 5 \frac{6}{5}$

Solution:-

$3 \frac{3}{5} + 5 \frac{6}{5}$

$\frac{3 \times 5 + 3}{5} + \frac{5 \times 5 + 6}{5}$

$\frac{15+3}{5} + \frac{31}{5}$

$\frac{18}{5} + \frac{31}{5}$

$\frac{18 + 31}{5}$

$\frac{49}{5}$ or 9.8 ANS.

Q3) Find the following

① 3.33 + 4.53 - 2.00

Solution :

$= 7.86 - 2$

$= 5.86$ ANS

ii) 4.66 × 4.33 + 5.32

Solution :-

Multiplication.

$= 20.1778 + 5.32$

Addition

$= 25.4978$

ANSWER