EXERCISE – 7C

Q-1. Convert the following decimals into fractions –

a. $0.8 = \dfrac{8}{10} = \dfrac{4}{5}$

b. $1.8 = \dfrac{18}{10} = \dfrac{9}{5}$

d.. $21.26 = \dfrac{21}{26}$

Q-4. Convert the following fractions to decimal by long division method –

a. $\dfrac{1}{2}$

$$2 \,\lvert\, \boxed{10} \,\rvert\, 0.5$$
$$\dfrac{-10}{00}$$

$= 0.5$

b. $\dfrac{1}{5}$

$$5 \,\lvert\, \boxed{10} \,\rvert\, 0.2$$
$$\dfrac{-10}{00}$$

$= \quad 0.2$

d.. $\dfrac{5}{8}$

$$8 \,\lvert\, \boxed{5\,000} \,\rvert\, 0.625$$
$$\dfrac{-48}{20}$$
$$\dfrac{-16}{40}$$
$$\dfrac{-40}{00}$$

$= 0.625$

g.. $3\dfrac{4}{5} = \dfrac{19}{5}$

$$5 \,\lvert\, \boxed{19} \,\rvert\, 3.8$$
$$\dfrac{-15}{40}$$

$$\frac{-40}{00}$$

Q-3. Convert the following to decimal fraction by converting the denominator to 10 , 100 , 1000 etc

a. $\dfrac{3}{4}$ $=$ $\dfrac{3 \times 25}{4 \times 25}$ $=$ $\dfrac{75}{100}$ $= 0.75$

b. $\dfrac{3}{2}$ $=$ $\dfrac{3 \times 50}{2 \times 50}$ $= \dfrac{150}{100}$ $= 1.5$

d.. $\dfrac{14}{20}$ $=$ $\dfrac{14 \times 5}{20 \times 5}=$ $\dfrac{70}{100}$ $=$ 0.7

e.. $\dfrac{16}{25}$ $=$ $\dfrac{16 \times 4}{25 \times 4}$ $=$ $\dfrac{64}{100}$ $=$ 0.64

EXERCISE – 7D

Q-1. Add the following –

a. $1 + 0.3 = 1.3$
b. $0.7 + 0.9 = 1.6$

d.. $7.16 + 3.14 = 10.3$

f.. $14.354 + 9.109 = 23.463$

g.. $67 + 3.751$ 　　　$= 67 .000$

$$+ \quad 3. 751$$
$$\overline{70. 751}$$

l.. $71.29 + 1.369 + 88. 8 =$ 　71.290

　　　　　　　　　　1.369

$$+88.800$$

$$161.459$$

Q-2. Subtract the following –

    a. $6.66 - 2.22 = 4.44$

    b. $8.54 - 6.01 = 2.53$

    d.. $21.7 - 4.69 =$ 21.70

$$- 4.69$$

$$17.01$$

    e. $3 - 1.013 =$ 3.000

$$- 1.013$$

$$1.987$$

Q-3. Simplify :

    a. $3.4 + 5 - 6.4$

      $8.4 - 6.4$ $= 2$

    b. $2.8 + 1.1 - 2.9$

      $3.9 - 2.9 = 1$

c. $3 - 3.3 + 1.8$

$= 3 + 1.8 - 3.3$

$= 4.8 - 3.3$

$= 1.5$

f.. $6.7 + 3.21 - 7.\ 463$

$= 9.91 - 7.463$

$= 2.447$

h.. $63.368. + 21.732 - 35.1$

$=\ 85.1 - 35.1$

$= 50$

Q-4. What should be added to 3.189 to get 7?

Sol: 7.000

     -3.189

     3.811

Q-6. By how much is the sum of 14.28 and 11.219 greater than its difference?

Sol : Sum : $14.28 + 11.219 = 25.499$

Difference = 14.280

       - 11.219

        3.061

Difference of their sum and difference = 25.499

                -   3.061

                  22.438