Cosmo School

Class – 5

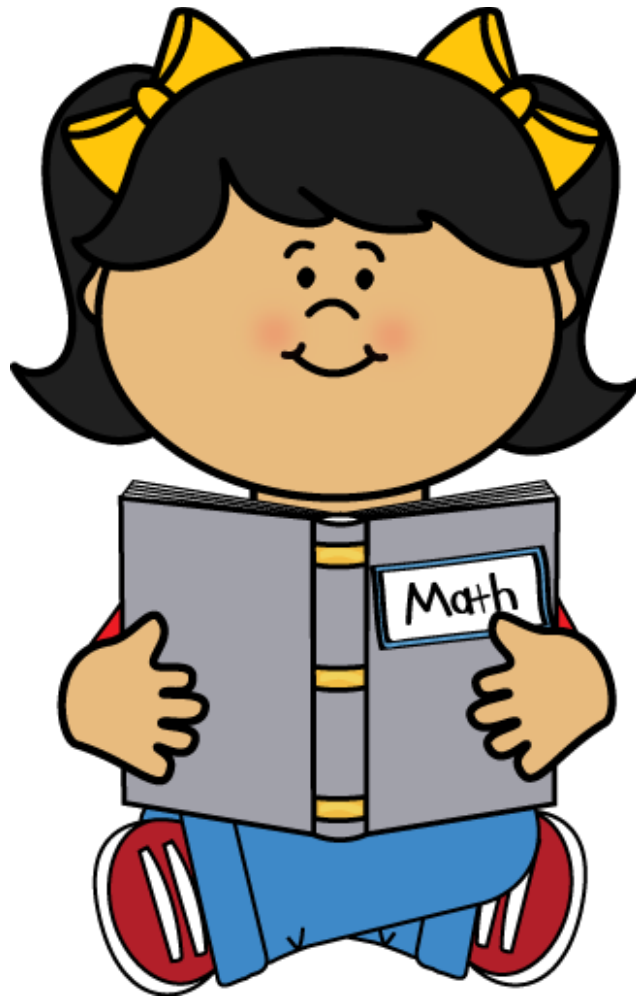*Chapter – 6*

Fraction

Exercise

(Do Yourself)

Calculate:

1) $\frac{1}{8} + \frac{3}{16} + \frac{7}{24}$

2) $2\frac{3}{13} + 1\frac{5}{26}$

3) $\frac{5}{8} + \frac{3}{16}$

4) $6 + 1\frac{6}{7}$

5) $8\frac{5}{13} + 12\frac{7}{26}$

6) $\frac{3}{8} - \frac{1}{7}$

7) $8\frac{4}{15} - 7\frac{13}{45}$

8) $20 - 9\frac{20}{21}$

9) $\frac{7}{13} - \frac{2}{13}$

10) $2 + 1\frac{2}{3} - \frac{3}{4}$

11) $2\frac{1}{2} + 3\frac{1}{3} - 4\frac{1}{4}$

12) $7 - \frac{3}{8} + 8 - \frac{4}{7}$

13) $9 - 3\frac{15}{16} - 2\frac{7}{8} + \frac{9}{32}$

14) $2\frac{1}{2} - 4\frac{3}{5} - 11 + 17\frac{7}{15}$

15) $\frac{1}{3} + 1\frac{2}{9} + \frac{1}{6}$

16) $1\frac{7}{8} - \frac{3}{8} + \frac{1}{10}$

17) $1\frac{2}{3} + \frac{5}{8} - 1\frac{1}{6}$

18) $1\frac{1}{3} + 3\frac{1}{4} - 2\frac{5}{6} - \frac{3}{4}$

19) $5\frac{1}{15} - 1\frac{3}{5} - 2\frac{2}{3}$

20) $2\frac{2}{3} + 1\frac{1}{4} + 1\frac{5}{6}$

21) $\frac{2}{23} \times 46$

22) $\dfrac{7}{10} \times 8$

23) $\dfrac{3}{5}$ of 12

24) $2\dfrac{3}{5} \times 1\dfrac{7}{13}$

25) $4\dfrac{1}{3} \times \dfrac{27}{32} \times 4\dfrac{7}{26}$

26) $99\dfrac{3}{4} \times \dfrac{2}{17} \times \dfrac{5}{19}$

27) $\dfrac{4}{5} \div 3$

28) $\dfrac{12}{7} \div 4$

29) $11 \div 2\dfrac{1}{4}$

30) $2\dfrac{1}{4} \div 2\dfrac{1}{4}$

31) $5 \div \dfrac{15}{16}$

32) $\dfrac{27}{32} \div 4\dfrac{7}{26}$

33) $27\dfrac{3}{4} \div 14\dfrac{4}{5}$

34) $1\dfrac{2}{3}$ of $\dfrac{1}{5} \div \dfrac{1}{9}$

35) $3\dfrac{2}{3} \times \dfrac{4}{5}$ of $4\dfrac{7}{12}$

36) $\dfrac{1}{2} \div \dfrac{3}{4}$ of $\dfrac{8}{9} \times 1\dfrac{4}{5}$

37) $6 \div 3 \times 2$ of 4

38) $8 + \dfrac{1}{3}$ of 6×5

39) $\dfrac{7}{15} \times \dfrac{5}{6} \times \dfrac{3}{14}$

40) $\dfrac{7}{12} \div 2\dfrac{1}{3} \times \dfrac{2}{5}$

41) $\dfrac{7}{12} \times \dfrac{2}{5} \div 2\dfrac{1}{3}$

42) $\dfrac{2}{3} \times \dfrac{1}{8} \div \dfrac{7}{9}$

43) $\dfrac{3}{8} \div \dfrac{3}{5} \times \dfrac{4}{5}$

44) $\dfrac{3}{7} \times 4 \div \dfrac{3}{5}$

45) $\dfrac{2}{9} \div \dfrac{4}{7} \div \dfrac{5}{6}$

46) $\dfrac{3}{4} \div \dfrac{6}{5} \times \dfrac{1}{5}$

47) $\dfrac{2}{3} \times \dfrac{1}{5} \times \dfrac{3}{5}$

48) $\dfrac{7}{15} \times \dfrac{45}{3} \times \dfrac{2}{21}$

49) $\dfrac{5}{6} \times \dfrac{3}{14} \times \dfrac{7}{15}$

50) $\dfrac{1}{3} \times \dfrac{3}{14} \times \dfrac{7}{12}$

Word problem

1. After dividing a roti, Anika gets $\dfrac{2}{3}$ portion and Ayra gets $\dfrac{1}{3}$ portion of the roti. Who gets the larger portion?

2. Mr. Shafiq bought $\dfrac{1}{4}$ metre cloth by Taka 25. What is the cost of 1metre cloth?

3. Flowers are planted in $\dfrac{5}{6}$ of a flower bed that has an area of 20 m^2. What is the area of planted flowers in m^2?

4. Mr. Habib kept $\dfrac{1}{4}$ portion of his property for himself and divided the rest of the property equally between his two children. If Mr. Habib has property of taka 200000, how much will each child get?

5. $\dfrac{1}{6}$ portion of a pole is in mud, $\dfrac{1}{2}$ portion is in water and the remaining portion is above water. What is the length of the pole in water?

6. Find the area of a rectangular piece of board with $1\dfrac{3}{4}m$ long and $1\dfrac{1}{5}$ m width.

7. Find the area of a square piece of land $2\dfrac{1}{2}km$ sides.

8. $3\frac{3}{4}m$ and $2\frac{1}{3}m$ strings are how many meters altogether?

9. Gita has $1\frac{5}{6}L$ of juice and Mamun has $\frac{13}{8}L$ of juice. Who has more juice and what is the amount?

10. In a hostel every day $2\frac{1}{7}$ quintal of rice is needed. In that hostel how many quintals of rice is needed in one week?

11. Mr. Sajjad had 24000 tk. He donated $\frac{5}{12}$ portion of his money to an orphanage, $\frac{3}{8}$ portion to an educational institution. What amount of money was he left with?

12. A man walked $2\frac{1}{4}km$ path on foot, $3\frac{5}{8}km$ by rickshaw and $8\frac{3}{20}$ by bus. What is the total path traversed by the man?

13. Mr. Azam received $20\frac{1}{20}$ $quintals$ of Aman, $30\frac{1}{20}$ quintals of Irri and $10\frac{1}{50}$ quintals of Aush paddy from his land in a year. How much paddy in quintal did he receive from his land in a year?

14. Of a bamboo of 25 metre long, $5\frac{4}{25}m$ is with black, $7\frac{1}{4}m$ is with red and $4\frac{3}{10}m$ is with yellow colours. What length is metres of the bamboo remains unpainted?

15. A man gave $\frac{1}{8}$ part of his property to his wife, $\frac{1}{2}$ part of his son and $\frac{1}{4}$ part to his daughter. The value of the rest of his property is Tk. 60000. Determine the value of his total property.