1. What fraction of-:a) a day is a year?

   b) 25 cm is a meter?

   c) alphabets are vowels?

2. Convert the following mixed fraction into an improper fraction-:

a)$7\frac{5}{9}$ b) $8\frac{8}{8}$ c) $9\frac{3}{6}$

3. Convert the following improper fraction into mixed fraction-:

a)$\frac{97}{3}$ b)$\frac{52}{5}$ c)$\frac{79}{4}$

4. Convert the following fractions into lowest term-:

a) $\frac{48}{72}$ b)$\frac{140}{252}$ c)$\frac{124}{156}$ d)$\frac{35}{135}$

5. Arrange the following in ascending order-:

a) $\frac{5}{6}, \frac{3}{8}, \frac{7}{16}, \frac{11}{24}$ b)$\frac{7}{15}, \frac{11}{21}, \frac{13}{35}$

6. Arrange the following fractions in descending order:

(i) 4/5, 7/10, 11/15, 17/20

(ii) 2/7, 11/35, 9/14, 13/28

7.Compare -:

a) $\frac{3}{4}$ and $\frac{5}{12}$ b) $\frac{6}{23}$ and $\frac{21}{23}$ c) $7\frac{3}{4}$ and $5\frac{2}{6}$

8. Find the sum of the following fractions-:

a) $\frac{23}{25} + \frac{9}{30}$ b) $\frac{2}{4} + \frac{17}{18}$ c) $1\frac{7}{11} + 2\frac{6}{7}$ d) $19\frac{1}{6} + 13\frac{3}{19}$ e) $7\frac{5}{8} + 4$

9. Find the difference of the following fractions-:

a) $\frac{7}{12} -- \frac{3}{18}$ b)$4\frac{1}{6} -- 3\frac{2}{9}$ c) $23 -- \frac{8}{9}$ d) $\frac{7}{8} -- \frac{3}{5}$ e) $3\frac{4}{15} -- 7\frac{1}{6}$

10. Simplify-:

a) $6\frac{1}{3} -- 2\frac{4}{5} + 1\frac{7}{15}$ b)$\frac{17}{12} -- (\frac{1}{6} + \frac{5}{18})$

11. Find -:

a) $\frac{4}{13}$ of 39 minutes b) $\frac{11}{80}$ of 4000 ml   c) $\frac{3}{8}$ of 40km   d) $\frac{5}{7}$ of 56 weeks   e) $\frac{4}{5}$ of 1 year (in days)

12. Write an equivalent fraction in each case-:

a) $\frac{8}{9}$ with numerator as 32.   b) $\frac{3}{5}$ with denominator as 40.

c) $\frac{16}{24}$ with numerator as 2   d) $\frac{55}{132}$ with denominator as 12.

13.Check whether the following are equivalent fractions or not-:

a) $\frac{3}{10}$ and $\frac{15}{50}$ b) $\frac{6}{9}$ and $\frac{11}{18}$ c) $\frac{7}{12}$ and $\frac{63}{84}$

14. Hari spends $\frac{8}{11}$ of his income and saves the rest. Amit spends $\frac{9}{11}$ of his income and saves the rest.Which boy saves the greater part of his income?

15.What must be subtracted from $5\frac{1}{6}$ to get $2\frac{11}{18}$?

16. Subtract the sum of $2\frac{7}{15}$ and $3\frac{11}{30}$ from the sum of $3\frac{4}{5}$, $2\frac{7}{10}$ and $4\frac{8}{15}$.

17. The sum of two fractions is $6\frac{1}{6}$. If one of the fraction is $2\frac{1}{3}$, find the other fraction.

18. Amit was given $\frac{5}{7}$ of a bucket of oranges.What fraction of oranges was left in the basket?

19. Ron solved 2/7 part of an exercise while Shelly solved 4/5 of it. Who solved less?

20. Jack finished coloring a picture in 7/12 hour. Victor finished coloring the same picture in 3/4hour. Who worked longer? By what fraction was it longer?

21. Sarah purchased $3^1/_2$kg apples and $4^3/_4$ kg oranges. What is the total weight of fruits purchased by her?

22. Sam wants to put a picture in a frame. The picture is $7^3/_5$ cm wide. To fit in the frame the picture cannot be more than $7^3/_{10}$ cm wide. How much the picture should be trimmed?

23. A piece of wire is of length $12^3/_4$ m. If it is cut into two pieces in such a way that the length of one piece is $5^1/_4$ m. What is the length of the other piece?

24. A rectangular sheet of paper is $12^1/_2$ cm long and $10^2/_3$ cm wide. Find the perimeter.

25. Patty studies for $5^2/_3$ hours daily. She devotes $2^4/_5$ hours of her time for Science and Mathematics. How much time does she devote for other subjects?

26.Draw a number line to represent fractions; 1/5, 2 2/5, -1 2/5 and -3/5

1. Represent the following decimals on the same number line:

(i) 0.3 (ii) 3.3 (iii) 1.5 (iv) 2.9

2. Use a Number line to find the distance between point P and Q, if:

(i) P = 5.4 and Q = 4/5

3. Write in expanded form:

(i) 3479.105

(ii) 7833.45

(iii) 524.1

4. Write as decimal fractions:

(i) 8 thousands + 8 ones + 3 tenths + 9 hundredths

(iv) 3 tens + 7 ones + 6 hundredths + 8 thousandths

(vi) 800 + 70 + 2 + 8/10 + 5/1000

5. Arrange in increasing order:

(i) 4.91, 13.01, 12.1, 18.123, 13.9, 4.53

(ii) 72.09, 72.19, 72.91, 72.17, 72.81

6. Compare

a) 0.6 and 0.8

b) 0.317 and 0.341

c) 12.0193 or 102.01

d) 19.023 or 19.027

7. Convert the following to fraction and then to lowest term

a) 21.72   b) 54.972   c) 1426.42

8. Express the following as decimals-:

a) 9/10000   b)119/500   c)12/25   d)4/5   e)36/125   f) $8\frac{5}{8}$

9. Add the following-:

   a) 14.02, 198.3, 394.051
   b) 143.21; 89.025;1001.002; 975.35
   c) 81.71; 198.001; 2071.1945; 9.09

10. Do as directed-:

 a) Subtract 8.93 from 13.94.

 b) 492 kg 500 g - 283 kg 650 g

 c) 10.0008 - 0.007

 d) 17.053 from 81.519

 e) Subtract 14.83 from 70

11. The rain fall in a city during the months of July, August and September were 9.82 mm, 5.24 mm and 2.32 mm respectively. Find the total rainfall during three months.

12. A container holds 60.25 litres of water, if 39.7 litres of water I used up then how much water is left is left in the container?

13. Mike walked 14.5 km on Monday, 12.75 km on Tuesday, 15.8 km on Wednesday and 18.6 km on Thursday. How many kilometers did Mahesh walk in 4 days?

14. What should be added to 85.264 to get 164.253?

15. Paula walked 9.3 kilometers on Monday. Then she walked 6.8 kilometers on Tuesday. How much farther did Paula walk on Monday than on Tuesday?

16. Belle mixed 5.08 grams of salt into a pot of soup she was cooking. Before she served the soup, Belle added 2.01 grams of salt. How much salt did Belle put into the soup in all?

17. On a school trip, a class travels 8.9 kilometres by train and 7.5 kilometres by bus. How far did the class travel?

18. A carpenter bought a piece of wood that was 0.97 metres long. Then he sawed 0.32 metres off the end. How long is the piece of wood now?