Percentage questions for Navodaya exam
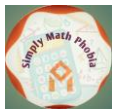
1) Express each of the following as decimal :

   (i)   63%   (ii)   9%   (iii)   7.5%

2) Convert each of the following fractions into a percentage.

   (i) $\frac{9}{25}$ (ii) $2\frac{3}{5}$ (iii) $\frac{3}{4}$

3) 120% is equal to   ....

4) What % of 75 is 105 ?

5) What is the number whose 12% is 54 ?

6) Write 20m as a percentage of a km .

7) Reena deposits 60 per month in her post office saving bank account. If this is 10% of her monthly income, find her monthly income.

8) 40% of (100- 20% of 300) =..........

9) Find the value of x, if 3% of x is 9.

10) 90% of 300% +30% of 90 =..........

11) Find the sum whose 20% is Rs.240.

12) 80% of 240 is more than 35% of 400 by.............

13) A boy gets Rs.20 per month and spends 50% of it. How much does he save in 1 yr?

14) Out of 600 students 240 are girls. What is the percentage of girls?

15) 40% of 20% is equal to ....

16) 50 is what per cent of 75?

17) (100% of 5) + (5% of 100) is equal to ....

18) Ram bought a dress worth rs. 1500 in discount and it was marked as 3800. Then how much percent he got on discount?

19) Find the number whose 15% is 24 .

20) If 5% of X + 16% of 75 = 16. Find the value of X.

21) In the set of first 10 natural numbers – 1, 2, 3, 4, 5, 6, 7, 8, 9 and 10:

   (i) What percent of the numbers are odd?

   (ii) What percent of numbers are multiples of 4?

   (iii) What percent of numbers are less than 8?

   (iv) What percent of numbers are factors of 7?

22) Angela loves to travel and spends 25% of the year on vacation and works for the rest of the year. What fraction of the year does she travel?

23) In a flower vase there are 20 flowers. There are 5 lilies and 15 roses. What percent of flowers are lilies?

Ans. 1) (i) 0.63　　(ii)0.09　　(iii)0.075

　2)(i) 36%　　(ii)260%　　(iii)75%

　3)1.2

　4)140%

　5) 450

　6)2% of a km

　7) Rs. 600

　8) 16

　9) 300

　10) 297

　11) 1200

　12)Rs. 52

　13) Rs. 120
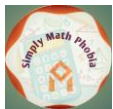
　14) 40

15)　8%

16) $\frac{200}{3}$ %

17) 10

18) 50%

19) 160

20) 80

21) (i) 50%   (ii) 20%   (iii) 70% (iv) 20%

22) $91\frac{1}{4}$

23) 25%