



# RAILWAY NTPC

## MATHS

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# PERCENTAGE

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### DAY- 01

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# PERCENTAGE

किसी संख्या की गणना 100 में करे उसे प्रतिशत कहते है।



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# Few important % to fraction

$$\text{a. } 5\% \rightarrow \frac{5}{100} = \frac{1}{20}$$

$$\text{b. } 6\frac{1}{4} \rightarrow \frac{25}{4} \times \frac{1}{100} = \frac{1}{16}$$

$$\text{C. } 6\frac{2}{3}\% \rightarrow \frac{1}{15}$$

$$\text{D. } 8\frac{1}{3}\% \rightarrow \frac{1}{12}$$

$$\text{E. } 9\frac{1}{11}\% \rightarrow \frac{1}{11}$$

$$\text{F. } 11\frac{1}{9}\% \rightarrow \frac{1}{9}$$

$$\text{G. } 12\frac{1}{2}\% \rightarrow \frac{1}{8}$$

$$\text{H. } 14\frac{2}{7}\% \rightarrow \frac{1}{7}$$

$$\text{I. } 16\frac{2}{3}\% \rightarrow \frac{1}{6}$$

$$\text{J. } 37\frac{1}{2}\% \rightarrow \frac{3}{8}$$

$$\text{K. } 33\frac{1}{3}\% \rightarrow \frac{1}{3}$$

$$\text{L. } 66\frac{2}{3}\% \rightarrow \frac{2}{3}$$

$$\text{M. } 83\frac{1}{3}\% \rightarrow \frac{5}{6}$$

**1**

**If 25% of number is added to itself it will become 5500 find the 30% of number.**

**1. 1230**

**2. 1320**

**3. 1410**

**4. 1620**



2

If  $16\frac{2}{3}\%$  of number is added to itself it will become 9800 find the 20% of number.

1. 1620

2. 1630

3. 1680

4. 1650

3

If  $6\frac{2}{3}\%$  of number is subtracted to itself it will become square of 14 then find the original number.

1. 1620

2. 1630

3. 1680

4. 1650



4

30% of a is equal 50% of b by what % b is less than a.

1. 20%
2. 40%
3. 66.66%
4. 30%

5

**A is 6 time more than B then by what percentage is B is less than A.**

**1. 64.82**

**2. 85.71**

**3. 83.33**

**4. 28.56**



6

If 42 is added to a number it becomes 121% of itself find the number.

1. 300

2. 200

3. 504

4. 378

**7**

**The difference between two number is 25% of the greater number. If the smaller number is 30 then find greater number.**

**1. 55**

**2. 40**

**3. 35**

**4. 400**



8

**A person who spent 33 (1/3)% of income and save Rs. 4000 per month find yearly expenditure.**

**1. 22000**

**2. 24000**

**3. 13000**

**4. 16000**

9

**A candidate who score 40% marks and fail by 6 marks which another candidate who score 50% marks get 15 marks more than the minimum passing marks, find total passing marks and %.**

**1. 110**

**2. 210**

**3. 310**

**4. 410**



**10**

**Two number are 50% and 80% less than a third number by what % should the second number be increased to make it equal to the first number.**

- 1. 160%**
- 2. 130%**
- 3. 150%**
- 4. 180%**





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