



# MATHS

## BOOKS - JNAN PUBLICATION

### Percentage

#### Example

1. Let us take rectangular piece of paper, and let's draw.  $10 \times 10$  equal cells and colour them

with different colours. Let's find the percentage of different colours used.



**Watch Video Solution**

2. Let us take a rectangular piece of white paper and let's draw  $10 \times 10$  equal cells. Now 0.19 part is coloured red and 0.23 part is coloured green. Let's find the percentage of the cells which are not coloured.



**Watch Video Solution**

3. 0.23 parts of students of our class are girls. Let's find the percentage of girl students out of all the student of our class.



**Watch Video Solution**

4. Today while Rajat was going to school, he covered 0.25 part of distance on foot and rest on a rickshaw. Let's find percentage of distance he travelled by rickshaw.



**Watch Video Solution**

5. Ajmera get 20 out of 50 marks in hand work but Ali got 10 out of 25 marks in handwork in his school. Lets find out who got more marks. Lets correct the marks of Ajmera and Ali in percentage and then compare.



**Watch Video Solution**

6. Convert the following in decimal  $19/100 = ?$



**Watch Video Solution**

7. Solve the following  $\frac{3}{5} = ?$



**Watch Video Solution**

8. Convert in decimal number  $\frac{7}{10} = ?$



**Watch Video Solution**

9. Convert the following in fraction  $0.21 = ?$



**Watch Video Solution**

10. Convert the following in fraction  $0.05 = ?$



**Watch Video Solution**

11. Convert the following decimal numbers in fraction  $0.8 = ?$



**Watch Video Solution**

12. Convert the following in fraction  $3.76 = ?$



**Watch Video Solution**

**13.** Convert the following in decimal number

$$2\frac{3}{5} = ?$$



**Watch Video Solution**

**14.** Convert the following in fraction  $2.5 = ?$



**Watch Video Solution**

**15.** Let's find the values of the following: (a)  
10% of 60,



**Watch Video Solution**

**16.** Let's find the values of the following: (b)  
20% of 45,



**Watch Video Solution**



**17.** Let's find the values of the following: (c)

40% of 160,



**Watch Video Solution**

**18.** Let's find the values of the following: (d)

30% of 120,



**Watch Video Solution**

**19.** Let's find the values of the following: (e)

22% of 1000,



**Watch Video Solution**

**20.** Let's find the values of the following: (f)

35% of 240,



**Watch Video Solution**

**21.** Let's find the values of the following: (g) 5% of 800,



**Watch Video Solution**

**22.** Let's find the values of the following: (h) 18% of 3600,



**Watch Video Solution**

**23.** My grandfather gave me ₹.50 for visiting a fair. I spent 70% of the money at the fair and rest I saved in my piggy bank. Let me find, how much I spent and much I saved.



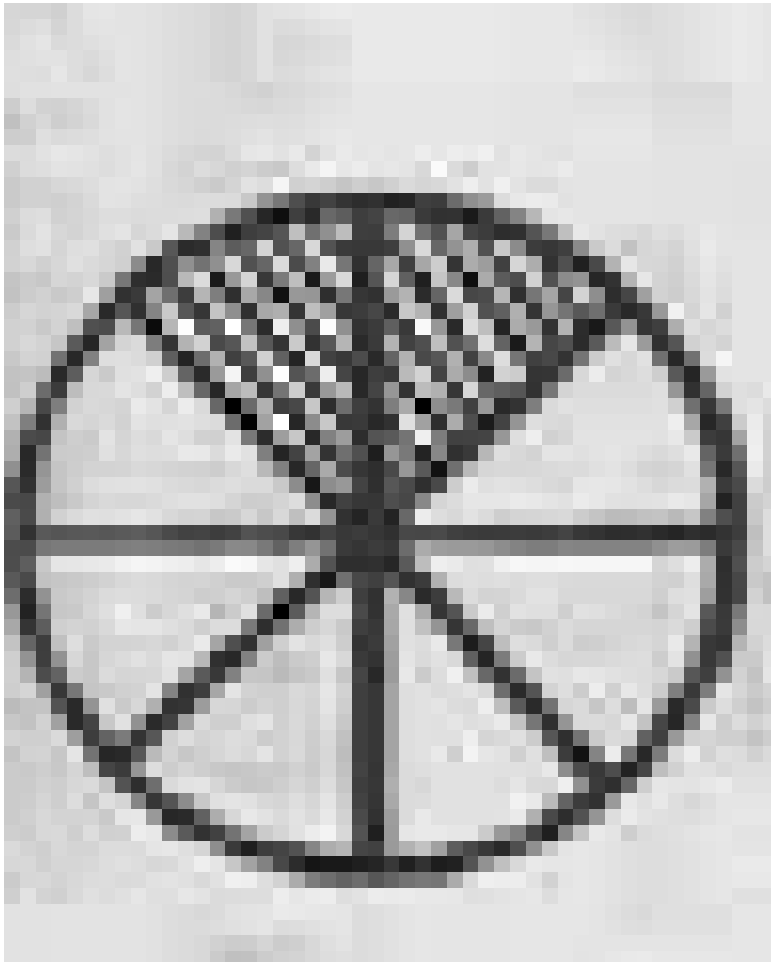
**Watch Video Solution**

**24.** In the mathematics examination, 60% students of our class got more than 80 marks. If there are 50 students in our class, Let's find how many have got above 80.





**25.** Let's express the marked parts in percent in the figures given (vi)





**Watch Video Solution**

**26.** Let's convert the following fractions into percentage (i)  $\frac{45}{50}$



**Watch Video Solution**

**27.** Let's convert the following fractions into percentage (ii)  $\frac{9}{10}$



**Watch Video Solution**

28. Let's convert the following fractions into percentage (iii)  $\frac{33}{300}$



**Watch Video Solution**

29. Let's convert the following fractions into percentage (iv)  $1\frac{2}{5}$



**Watch Video Solution**

**30.** Let's convert the following fractions into percentage (v)  $4\frac{3}{8}$



**Watch Video Solution**

**31.** Let's convert the following decimal fraction into percentage. (i) 0.6



**Watch Video Solution**



**32.** Let's convert the following decimal fraction into percentage. (ii) 0.02



**Watch Video Solution**

**33.** Let's convert the following decimal fraction into percentage. (iii) 0.57



**Watch Video Solution**

**34.** Let's convert the following decimal fraction into percentage. (iv) 1.21



**Watch Video Solution**

**35.** Let's convert the following decimal fraction into percentage. (v) 0.003



**Watch Video Solution**

**36.** Let's convert the following percentage into proper fractions. (i) 10%



**Watch Video Solution**

**37.** Let's convert the following percentage into proper fractions. (ii) 70%



**Watch Video Solution**

**38.** Let's convert the following percentage into proper fractions. (iii) 15%



**Watch Video Solution**

**39.** Let's convert the following percentage into proper fractions. (iv) 257%



**Watch Video Solution**

**40.** Let's convert the following percentage into proper fractions. (v)  $33\frac{1}{3}\%$



**Watch Video Solution**

**41.** Lets convert the following percentages into decimal fractions. (i) 61%



**Watch Video Solution**

**42.** Lets convert the following percentages into decimal fractions. (ii) 3%



**Watch Video Solution**

**43.** Lets convert the following percentages into decimal fractions. (iii) 105%



**Watch Video Solution**

**44.** Lets convert the following percentages into decimal fractions. (iv) 1.26%



**Watch Video Solution**

**45.** Lets convert the following percentages into decimal fractions. (v) 0.07%



**Watch Video Solution**

**46.** Let us express the following in percentage and arrange them in ascending order- (i)

$$\frac{1}{2}, \frac{1}{4}, \frac{3}{5}$$



**Watch Video Solution**

**47.** Let us express the following in percentage and arrange them in ascending order- (ii)

$$\frac{2}{5}, \frac{13}{25}, \frac{7}{10}$$



**Watch Video Solution**



**48.** Let us express the following in percentage and arrange them in ascending order- (iii)  $1\frac{2}{5}$ ,  $1\frac{1}{2}$ ,  $1\frac{9}{10}$



**Watch Video Solution**

**49.** Let us express the following in percentage and arrange them in ascending order- (iv) 0.02, 0.15, 0.06



**Watch Video Solution**

**50. (i)** If 3 out of 5 candies were taken, let's find the percentage of candies taken.



**Watch Video Solution**

**51. (ii)** If 6 out of 24 berries are rotten, Let's find the percentage of berries that have rotten.



**Watch Video Solution**

**52. (ii)** Today, 7 students of our class are absents. There are 35 students in our class. Let

us find the percentage of students present today in class.



**Watch Video Solution**

**53. (iv)** A bamboo is of length 55m. 11m, of it is under muddy water. Let's find what percentage of the bamboo is above the water.



**Watch Video Solution**

**54.** There are 2100 story books in our local library. If 30% more story books are bought, what will be the total number of story books in the library now and also find out the additional numbers of story bought.



**Watch Video Solution**

**55.** Its raining heavily since morning. Hence only 20% student's were present in Alam's school. Total number of students in Alam's

school is 1230 then Let's find how many students were acutally present in school.



**Watch Video Solution**

**56.** Today I shall prepare orange juice, 'sherbet' (drink) myself. For preparing 300 ml of 'sherbet' I added 18% orange juice to it. Let's find how many milliliters of orange juice I added to the 'sherbet'.



**Watch Video Solution**

**57.** Shebhan used organic fertiliger this year in his land. This increased the proeduction of paddy by 25% than last year. If last year's production of paddy is 12 quintals, let's find the production of paddy this year.



**Watch Video Solution**

**58.** In Rasulpur Village, the population has increased by 12% than the previous year. Till last year, the populatin of the village was 775. Let's find the present population of the village.



[Watch Video Solution](#)

**59.** 80 students appeared for the Madhyamik Examination this year from our school. If 65% of students have passed. Let us find how many students have actually passed.



[Watch Video Solution](#)

**60.** A certain alloy contains 70% copper and rest zinc. In 20 kg of such alloy, Let's find how

many kg of zinc is required.



**Watch Video Solution**

**61.** Due to the rise the price of sugar we decided to reduce the consumption of sugar by 4% presently, we consume 625 gm of sugar every day. Let's find by how many grams the consumption of sugar is reduced and also the amount of sugar consumed each day now.



**Watch Video Solution**



**62.** Anilbabu pays 22% of his salary for house rent. If he pays ₹. 1870 per month for rent. Let's find his monthly salary.



**Watch Video Solution**

**63.** Yasina khatoon cultivates jute in 55% of her agricultural land, if she cultivates jute in 11 bighas of land, let's find her total agricultural land.



**Watch Video Solution**

**64.** The present population of a city is 26250. If the population increases at the rate of 4% every year, then let's find what will the population of the city be next year. Also, let's find what the population will be after two years.



**Watch Video Solution**