Percentage

$\frac{1}{2} = 50\%$			
$\frac{1}{3} = 33\,\frac{1}{3}\%$	$\frac{2}{3} = 66\,\frac{2}{3}\%$		
$\frac{1}{4} = 25\%$	$\frac{3}{4} = 75\%$		
$\frac{1}{5} = 20\%$	$\frac{2}{5} = 40\%$	$\frac{3}{5} = 60\%$	$\frac{4}{5} = 80\%$
$\frac{1}{6} = 16\,\frac{2}{3}\%$	$\frac{5}{6} = 83\,\frac{1}{3}\%$		
$\frac{1}{7} = 14\,\frac{2}{7}\%$	$\frac{2}{7} = 28\,\frac{4}{7}\%$	$\frac{3}{7} = 42\,\frac{6}{7}\%$	$\frac{4}{7} = 57\,\frac{1}{7}\%$
		$\frac{5}{7} = 71\,\frac{3}{7}\%$	$\frac{6}{7} = 85\,\frac{5}{7}\%$
$\frac{1}{8} = 12\,\frac{1}{2}\%$	$\frac{3}{8} = 37\,\frac{1}{2}\%$	$\frac{5}{8} = 62\,\frac{1}{2}\%$	$\frac{7}{8} = 87\,\frac{1}{2}\%$
$\frac{1}{9} = 11\,\frac{1}{9}\%$	$\frac{2}{9} = 22\,\frac{2}{9}\%$	$\frac{4}{9} = 44\,\frac{4}{9}\%$	$\frac{5}{9} = 55\,\frac{5}{9}\%$
		$\frac{7}{9} = 77\,\frac{7}{9}\%$	$\frac{8}{9} = 88\,\frac{8}{9}\%$
$\frac{1}{10} = 10\%$	$\frac{3}{10} = 30\%$	$\frac{7}{10} = 70\%$	$\frac{9}{10} = 90\%$
$\frac{1}{11} = 9\,\frac{1}{11}\%$	$\frac{2}{11} = 18\,\frac{2}{11}\%$	$\frac{3}{11} = 27\,\frac{3}{11}\%$	$\frac{4}{11} = 36\,\frac{4}{11}\%$
$\frac{1}{12} = 8\,\frac{1}{3}\%$			

1. If 30% of a = b, then b% of 30 is the same as :

A. 4% of a
B. 6% of a
C. 8% of a
D. 9% of a

Ans. D

2. If A's height is 33.33% less than that of B, how much percent B's height is more than that of A?

A) 20%
B) 25%
C) 33.33%
D) 50%

Ans. D

3. A person spend 60% of his income. If his income is increased by 15% then expenditure will also increase by 15%. Find percentage change in saving.

A. 20%
B. 25%
C. 15%
D. 10%

Ans. C

4. A person spend 70% of his income. If his income is increased by 20% then expenditure will also increase by 30%. Find percentage change in saving.

A. 33.33%
B. 3.33%
C. 12.5%
D. None

Ans. B

5. The ratio of expenditure to saving is 5:2. If expenditure is increased by 8% and income is increased by 5% then find percentage change in saving.

A. 2.5%
B. 3.5%
C. 12.5%
D. None

Ans. A

6. In a test A got 15% of the marks and failed by 7 marks whereas B got 28% and got 32 marks more than the pass mark. What was the pass mark?

A. 45
B. 52
C. 84
D. 300

Ans. B

7. When a student score 36% marks and failed by 32 marks, But if he score 48% marks then he will get 64 more marks than passing marks. Find the passing percent.

A. 40%
B. 50%
C. 35%
D. 45%

Ans. A

8. A student multiplied a number by 3/5 instead of 5/3 What is the percentage error in the calculation?

A. 44%

B. 64%

C. 50%

D. 40%

Ans. B

9. The number was being multiplied by 5/6. By mistake it is divided by 5/6. Find percentage error in result.

A. 44%

B. 64%

C. 33.33%

D. None

Ans. A

10. A man spends 50% of his income on household items and of the remaining 50% on transport,25% on entertainment, 10% on sports and remaining amount of 900 is saved. What is the monthly income.

A.12000

B.10000

C.15000

D. None

Ans. A

11. In a library 20% of the books are in Hindi, 50% of the remaining in English and 30% of the remaining are in French and rest 6300 books are in regional language. Then find the number of books in library.

A. 20000
B. 22500
C. 35000
D. 15000

Ans. B

12. A city's population was 10,000 at the end of 2008. In 2009, it increased by 25% and in 2010, it decreased by 8%. What was the city's population at the end of 2010?

A.8500
B.11500
C.11700
D. 13333

Ans. B

13. The population of a town increased by 12% during first year and decreased by 10% during second year. If the present population is 50400. what is was two years ago ?

A. 72000
B. 60000
C. 50000
D. 45000

Ans. C

14. Price of sugar rises by 20%. By how much percent should the consumption of sugar be reduced so that the expenditure does not change

A. 20 %
B. 10 %
C. 16 2/3 %
D. 15 %

Ans. C

15. A reduction of 20% in the price of sugar enables a housewife to purchase 6 kg more for Rs. 240. What is original price per kg of sugar?

A. 8

B. 10

C. 6

D. 5

Ans. B

16. If the price of sugar is increased by 25% then by how much percent consumption should be reduced so that the expenditure will increase by only 5%.

A. 25%
B. 15%
C. 16%
D. 20%

Ans. C

17. If the price of sugar is decreased by 30% then by how much percent consumption should be increased so that the expenditure will decrease by only 10%.

A. 200/7%
B. 100/7%
C. 25%
D. 28%

Ans. A

18. The price of sugar is increased by 30% due to this a housewife purchase 12 kg less sugar so that her expenditure will increase by 10% only. Find her original consumption.

A. 70 kg
B. 80 kg
C. 75 kg
D. 78 kg

Ans. D

19. The price of sugar is decreased by 40% due to this a housewife purchase 20 kg more sugar so that her expenditure will increase by 10% only. Find her original consumption.

A. 20 kg
B. 30 kg
C. 24 kg
D. 40 kg

Ans. C

20. The price of sugar is increased by 20% then by how much kg consumption should be reduced so that expenditure will increase by 5% only and original consumption is 56 kg.

A. 7 kg
B. 8 kg
C. 12 kg
D. None

Ans. A

21. **In an Election between two candidates one got 65% of the votes and won by 300 votes. Find total no. Of votes.**

A. 1200

B. 1500

C. 1800

D. 1000

Ans. D

22. **In an Election between two candidates, 6% voters didn't cast their votes. The successful candidates won by 6000 votes and secured 48% votes. The other candidate got how many votes ?**

A. 300000

B. 138000

C. 144000

D. 120000

Ans. A

23. **In an Election, the winner got 15744 votes which represents 48% of the electorate. The other candidates secured 22% votes. How many persons didn't cast their votes ?**

A. 3420

B. 8200

C. 6840

D. 9840

Ans. D

24. In an Election, 10% persons didn't cast their votes and 10% found to be invalid. The winner got 54% of valid votes and won by 1620 votes. Find total number of votes.?

A. 12500
B. 17500
C. 25000
D. 35000

Ans. C

25. **In an Election between two candidates, one got 55% of total valid votes and 20% votes were invalid. If total votes were 7500 then the number of valid votes that the other candidate got was ?**

A. 1300
B. 2400
C. 2600
D. 2700

Ans. D

26. **In an election two candidates participated. 20% voters did not cast their votes, out of which 600 votes declared invalid and the winner get 75% of valid votes and wins by 1500 votes. Find the number of total votes.**

A. 3600
B. 3000
C. 4000
D. 4500

Ans. D

27. **In an Exam, 52% candidates failed in English, 42% in maths and 17% in both. What was the number of percentage of passed students in both subjects?**

A. 23

B. 77

C. 6

D. 94

Ans. A

28. In an Exam, 70% candidates passed in English, 65% in maths and 27% failed in both. If 248 candidates was pass in both the subjects, then What was the total number of students?

A. 300
B. 400
C. 500
D. 600

Ans. B