

## Assignment 1- QA Percentage

1.

The price of an article is increased by 25%. By what percentage should the new price be decreased to get the original price?

- A) 20%
  - B) 25%
  - C) 15%
  - D) 18%
- 

2.

A number is increased by 20% and then decreased by 20%. The net change is:

- A) No change
  - B) 4% increase
  - C) 4% decrease
  - D) 8% decrease
- 

3.

A student's marks increase from 360 to 450. The percentage increase is:

- A) 20%
  - B) 25%
  - C) 30%
  - D) 15%
- 

4.

If A is 40% more than B, then B is what percent less than A?

- A) 28.57%
  - B) 40%
  - C) 30%
  - D) 25%
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5.

The population of a town increases by 10% in the first year and decreases by 10% in the second year. If the present population is 99,000, the original population was:

- A) 1,00,000
  - B) 99,000
  - C) 98,000
  - D) 1,10,000
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6.

A number is first increased by 30% and then increased by 20%. The total percentage increase is:

- A) 50%
  - B) 56%
  - C) 54%
  - D) 60%
- 

7.

A man spends 80% of his income. His income increases by 25% and expenditure increases by 20%. His savings increase by:

- A) 40%
  - B) 45%
  - C) 50%
  - D) 60%
- 

8.

The value of a machine depreciates by 20% every year. If its present value is ₹51,200, its value 2 years ago was:

- A) ₹80,000
  - B) ₹75,000
  - C) ₹72,000
  - D) ₹64,000
-

**9.**

A number is decreased by 25% and becomes 450. The original number was:

- A) 500
  - B) 550
  - C) 600
  - D) 650
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**10.**

A candidate scores 35% marks and fails by 20 marks. Another candidate scores 45% marks and gets 40 marks more than passing marks. Find total marks.

- A) 500
  - B) 600
  - C) 800
  - D) 400
- 

**11.**

If the numerator of a fraction is increased by 20% and denominator decreased by 20%, the value of fraction increases by:

- A) 40%
  - B) 50%
  - C) 56.25%
  - D) 44%
- 

**12.**

The salary of an employee is increased by 15%. If the new salary is ₹46,000, the old salary was:

- A) ₹40,000
  - B) ₹39,000
  - C) ₹38,500
  - D) ₹41,000
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**13.**

A shopkeeper increases the marked price by 40% and gives a discount of 20%. His actual gain percentage is:

- A) 12%
  - B) 15%
  - C) 20%
  - D) 10%
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**14.**

A number is 25% less than another number. The second number is what percent more than the first?

- A) 25%
  - B) 33.33%
  - C) 40%
  - D) 20%
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**15.**

The population of a city grows at 5% annually. If the present population is 1,10,250, what was it two years ago?

- A) 1,00,000
  - B) 1,05,000
  - C) 95,000
  - D) 90,000
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**16.**

A student needs 40% marks to pass. He gets 220 marks and fails by 20 marks. Maximum marks are:

- A) 500
  - B) 600
  - C) 550
  - D) 650
- 

**17.**

A product price is increased by 10%. Consumption decreases by 10%. The effect on expenditure is:

- A) 1% increase
  - B) 1% decrease
  - C) No change
  - D) 2% decrease
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**18.**

If A's income is 25% less than B's income, then B's income is greater than A's by:

- A) 25%
  - B) 30%
  - C) 33.33%
  - D) 40%
- 

**19.**

A number when increased by 15% becomes 460. The number is:

- A) 400
  - B) 390
  - C) 380
  - D) 420
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**20.**

The price of sugar increases by 25%. To keep expenditure unchanged, consumption should decrease by:

- A) 20%
  - B) 25%
  - C) 15%
  - D) 18%
- 

**21.**

A person saves 30% of his income. If income increases by 20% and expenditure remains constant, savings increase by:

- A) 20%
  - B) 50%
  - C) 66.67%
  - D) 40%
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**22.**

The value of a car decreases by 15% every year. If its present value is ₹5,78,000, its value after one year will be:

- A) ₹4,91,300
  - B) ₹5,00,000
  - C) ₹4,80,000
  - D) ₹5,25,000
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**23.**

A student improves his marks from 420 to 504. Percentage improvement:

- A) 15%
  - B) 20%
  - C) 25%
  - D) 18%
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**24.**

If 60% of A = 40% of B, then A:B is:

- A) 2:3
  - B) 3:2
  - C) 5:3
  - D) 3:5
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**25.**

A man's income is increased by 20% and expenditure by 10%. If initially he saved ₹5,000 and income was ₹25,000, new savings are:

- A) ₹7,000
- B) ₹8,000

- C) ₹7,500
  - D) ₹6,500
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**26.**

A number is successively increased by 10%, 20% and 30%. Total increase is:

- A) 60%
  - B) 71.6%
  - C) 65%
  - D) 72%
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**27.**

A shopkeeper gives two successive discounts of 20% and 10%. Equivalent discount is:

- A) 30%
  - B) 28%
  - C) 25%
  - D) 32%
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**28.**

If the denominator of a fraction is increased by 25% and numerator remains same, the fraction decreases by:

- A) 20%
  - B) 25%
  - C) 15%
  - D) 30%
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**29.**

A person's weight increases by 20% and then decreases by 20%. Final weight is 72 kg. Original weight was:

- A) 75 kg
- B) 72 kg
- C) 70 kg
- D) 80 kg

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**30.**

A company reduces the price of a product by 20%. To bring it back to the original price, the increased percentage should be:

- A) 20%
- B) 25%
- C) 30%
- D) 15%