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Speed Math/Vedic Math - Part II

Revolution 2.0 2023: Complete Course of Quant for All Bank Exams 2023

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Fastrack Maths - I

- *Addition-Subtraction*
- *Percentage Change/Calculation*
- *Successive Change*
- *Multiplication*
- *Frequently Used Multiplications*
- *Squares from 1 to 125*
- *Divisibility Rules*

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• Addition-Subtraction

- *How to add?*

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- **Addition**

712 + 334 = ?

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- **Addition**

$141 + 916 + 540 = ?$

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- **Addition**

$$814 + 236 - 652 = ?$$

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- **Addition**

$$1522 + 4182 + 5252 = ?$$

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- **Addition**

$$3214 + 1245 + 1025 - 2218 = ?$$

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- **Addition**

$$3589 + 324 + 441 + 4412 = ?$$

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- **Addition**

5314 – 1215 – 1116 = ?

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- **Addition**

$$812 + 149 + 788 + 151 = ?$$

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- **Addition (Deviation)**

7214 + 2388 + 7186 = ?

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- **Addition (Deviation)**

$294 + 302 + 403 = ?$

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- **Addition (Deviation)**

$$403 + 785 + 194 = ?$$

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• Addition-Subtraction

- *How to subtract?*

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- **Subtraction**

437 – 314 = ?

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- **Subtraction**

412 – 361 = ?

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- **Subtraction**

481 – 349 = ?

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- **Subtraction**

744 – 556 = ?

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- **Subtraction**

1238 – 976 = ?

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- **Percentage**

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• Successive Change

The concept of successive percentage change deals with two or more percentage changes applied to quantity consecutively. In this case, the final change is not the simple addition of the two percentage changes (as the base changes after the first change).

क्रमिक प्रतिशत परिवर्तन की अवधारणा मात्रा पर लागू होने वाले दो या अधिक प्रतिशत परिवर्तनों से संबंधित है। इस मामले में, अंतिम परिवर्तन दो प्रतिशत परिवर्तनों का साधारण जोड़ नहीं है (जैसा कि पहले परिवर्तन के बाद आधार बदलता है)।

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• Successive Change

Population of City A increases by 10% and 20% in 2001-02 and 2002-03 respectively.

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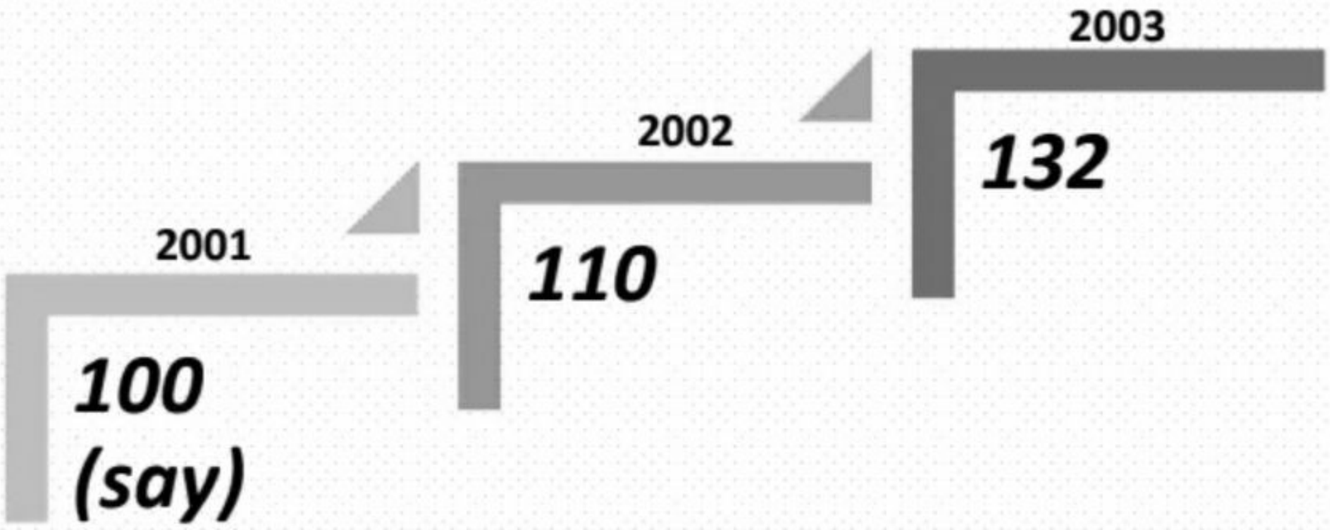
• Successive Change

Population of City A increases by 10% and 20% in 2001-02 and 2002-03 respectively.



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• Successive Change

1. Population of City A increases by 20% and 30% in 2001-02 and 2002-03 respectively. Calculate Overall Change.

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• Successive Change

2. Population of City A increases by 30% and decreases by 30% in 2001-02 and 2002-03 respectively. Calculate Overall Change.

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• Successive Change

3. Population of City A decreases by 25% and increases by 20% in 2001-02 and 2002-03 respectively. Calculate Overall Change.

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• Successive Change

4. Population of City A decreases by 20%, increases by 25% and increases by 12.5% in 2001-02, 2002-03 and 2003-04 respectively. Calculate Overall Change.

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• Successive Change

5. Population of City A decreases by 14.28% and increases by 16.66% in 2001-02 and 2002-03 respectively. Calculate Overall Change.

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• Successive Change

6. Population of City A decreases by 12.5%, increases by 16.66% and increases by 5.88% in 2001-02, 2002-03 and 2003-04 respectively. Calculate Overall Change.

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• Multiplication

- *Cross Method*
- *Multiplication of Specific Types*
- *Base Method*

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- **Cross Method of Multiplication**

47 x 86

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- **Cross Method of Multiplication**

62 x 54

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- **Cross Method of Multiplication**

94 x 42

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- **Multiplication (Specific Types)**

32 x 28

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- **Multiplication (Specific Types)**

79 x 81

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- **Multiplication (Specific Types)**

88% of 920

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- **Multiplication (Specific Types)**

23 x 27

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- **Multiplication (Specific Types)**

41 x 49

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- **Multiplication (Specific Types)**

36 x 34

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- **Multiplication (Specific Types)**

45 x 45

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- **Multiplication (Specific Types)**

55 x 55

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- **Multiplication (Specific Types)**

P x 0.125

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- **Multiplication (Specific Types)**

P x 1.25

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- **Multiplication (Specific Types)**

P x 12.5

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- **Multiplication (Specific Types)**

P x 125

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- **Multiplication (Specific Types)**

P x 0.25

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- **Multiplication (Specific Types)**

P x 2.5

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- **Multiplication (Specific Types)**

P x 25

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- **Multiplication (Specific Types)**

P x 250

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- **Multiplication (Specific Types)**

$P \times 0.5$

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- **Multiplication (Specific Types)**

$P \times 5$

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- **Multiplication (Specific Types)**

P x 50

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- **Multiplication (Specific Types)**

P x 500

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- **Multiplication (Specific Types)**

P x 4.25

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- **Multiplication (Specific Types)**

P x 2.75

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- **Multiplication (Specific Types)**

P x 7.69

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- **Multiplication (Specific Types)**

P x 11.11

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- **Squares from 1 to 125**

• Divisibility Rules

Divisibility Rules	
A number is divisible by	
2	If last digit is 0, 2, 4, 6, or 8
3	If the sum of the digits is divisible by 3
4	If the last two digits is divisible by 4
5	If the last digit is 0 or 5
6	If the number is divisible by 2 and 3
7	cross off last digit, double it and subtract. Repeat if you want. If new number is divisible by 7, the original number is divisible by 7
8	If last 3 digits is divisible by 8
9	If the sum of the digits is divisible by 9
10	If the last digit is 0
11	Subtract the last digit from the number formed by the remaining digits. If new number is divisible by 11, the original number is divisible by 11
12	If the number is divisible by 3 and 4