

UP POLICE / RAILWAY ALP/GROUP -D



SIMPLIFICATION

TRICKS

$$\frac{\sqrt{3}-1}{\sqrt{3}+1} = a + b\sqrt{3}$$

SOLVE IN 5 SEC



MATHS

PART- 2

CLASS - 6

Find the value of $7\frac{8}{9} \times 9 = ?$

Find the value of $\left(99\frac{7}{9}\right)^9$

Find the value of $\frac{1}{5} + 99\frac{44}{45} \times 9$

Find the value of $\frac{1}{8} + 999 \frac{791}{792} \times 99$

$$\frac{\sqrt{3} - 1}{\sqrt{3} + 1} = a + b\sqrt{3} \quad \text{find the value of } a \text{ and } b$$

What will come in place of question mark (?) in the following questions?

निम्नलिखित प्रश्नों में प्रश्न चिह्न (?) के स्थान पर क्या होगा?

$$5\% \text{ of } 280 + 22.5\% \text{ of } 120 = ?\% \text{ of } 400 + 6.25\% \text{ of } 16$$

1. 0
2. 7
3. 10
4. 6
5. 20

What will come in place of question mark (?) in the following questions?

निम्नलिखित प्रश्नों में प्रश्न चिह्न (?) के स्थान पर क्या होगा?

$$\frac{(0.99)^3 + (0.98)^3}{0.9801 - 0.9702 + 0.98^2} = ?$$

1. 1.97

2. 1.85

3. 0.97

4. 0.85

5. 0.01

What will come in place of question mark (?) in the following questions?

निम्नलिखित प्रश्नों में प्रश्न चिह्न (?) के स्थान पर क्या होगा?

$$108 \div 36 \text{ of } \frac{1}{4} + \frac{2}{5} \times 3 \frac{1}{4} = ?$$

1. 13.3

2. 12

3. 133

4. 10

5. 13

What will come in place of question mark (?) in the following questions?

निम्नलिखित प्रश्नों में प्रश्न चिह्न (?) के स्थान पर क्या होगा?

$$1 + \frac{\frac{1}{2}}{\frac{2}{3} + \frac{\frac{8}{9}}{1 - \frac{2}{3}}}$$

1. **11/13**

2. **13/15**

3. **13/11**

4. **15/13**

5. **None**

What will come in place of question mark (?) in the following questions?

निम्नलिखित प्रश्नों में प्रश्न चिह्न (?) के स्थान पर क्या होगा?

$$\frac{1}{2} + \frac{1}{3} - \frac{1}{4} - \frac{1}{2} - \frac{1}{3} + \frac{1}{4} + \frac{1}{2} + \frac{1}{3} - \frac{1}{4} \dots\dots\dots$$

- 1. - 1/2
- 2. - 1/4
- 3. 1/4
- 4. 0
- 5. None

$$33\frac{1}{3}\% \text{ of } 633 + 129 = 66\frac{2}{3}\% \text{ of } ?$$

1. 211
2. 510
3. 51
4. 170
5. 129

$$(0.81)^2 \div (0.729)^3 \times (0.9)^2 = (0.9)^{?-3}$$

- 1. 6**
- 2. 2**
- 3. 4**
- 4. 0**
- 5. None**

$$(4 \times 4)^3 \div (512 \div 8)^4 \times (32 \times 8)^4 = (2 \times 2)^{?+4}$$

1. 8

2. 12

3. 14

4. 6

5. 16

$$\frac{1}{2} + \frac{1}{6} + \frac{1}{12} + \frac{1}{20} + \frac{1}{30} + \frac{1}{42} + \frac{1}{56}$$

- 1. 5/6**
- 2. 6/7**
- 3. 7/8**
- 4. 8/9**
- 5. None of these**

$$1 + 2 \div \left[1 + 2 \div \left(1 + \frac{1}{3} \right) \right] = ?$$

1. 21/4

2. 21/5

3. 9/4

4. 9/5

5. 13/3

$$\sqrt{21 + \sqrt[3]{59 + \sqrt{16 + \sqrt[3]{722 + \sqrt{49}}}}} = ?$$

- 1. 4**
- 2. 5**
- 3. 6**
- 4. 7**
- 5. 8**

$$\sqrt[3]{1 - \frac{91}{216} \div \frac{?}{36^{0.5}}} = 1$$

1. 4

2. 5

3. 6

4. 8

5. 10

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