



# UP SI / DAROGA

## MATHS

# सरलीकरण

## SIMPLIFICATIONS

### विगत वर्षों पर आधारित प्रश्न

### CLASS - 02



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Express 0.2222222222..... as a fraction .

0.2222222222..... का मान ज्ञात कीजिये ?

**UPSI 2017**

A)  $\frac{4}{9}$

B)  $\frac{7}{9}$

C)  $\frac{8}{9}$

D)  $\frac{2}{9}$





Express 0.383838383838..... as a fraction :

0.383838383838..... का मान ज्ञात कीजिये ?

**EXPECTED - 2019**



**SI/दरोगा**




(a) 38/90

(b) 38/99

(c) 38/98

(d) 37/99

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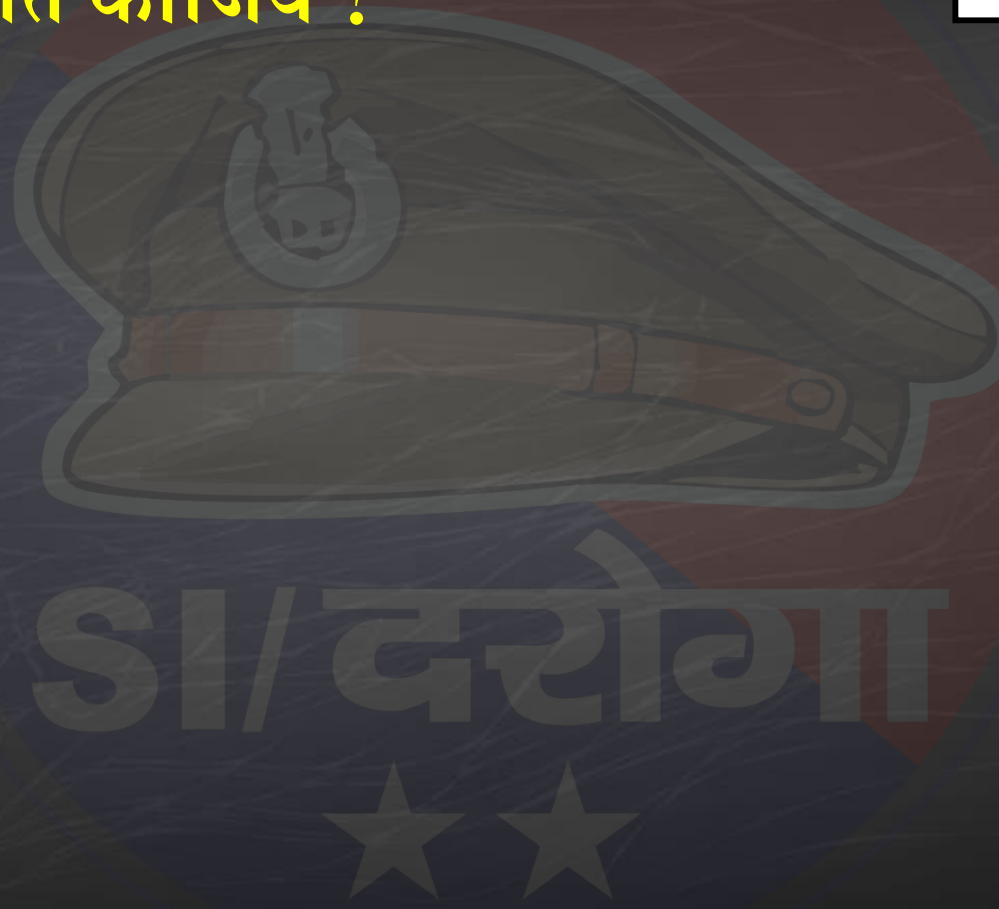


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Express  $0.\overline{385}$  as fraction :  
 $0.\overline{385}$  का मान ज्ञात कीजिये ?

**EXPECTED - 2019**

- A)  $385/999$
- B)  $380/990$
- C)  $382/990$
- D)  $385/900$



Express  $5.\overline{473}$  as a fraction :

$5.\overline{473}$  का मान ज्ञात कीजिये ?

**EXPECTED - 2019**

A)  $5\frac{473}{990}$

B)  $5\frac{473}{999}$

C)  $5\frac{472}{999}$

D)  $5\frac{473}{900}$

SI/दरोगा  
★ ★



Find  $4 \times 0.4 \times 0.04 \times 0.004 = ?$

**UPSI 2011**

- A) 0.00256
- B) 0.000256
- C) 0.00064
- D) 0.256

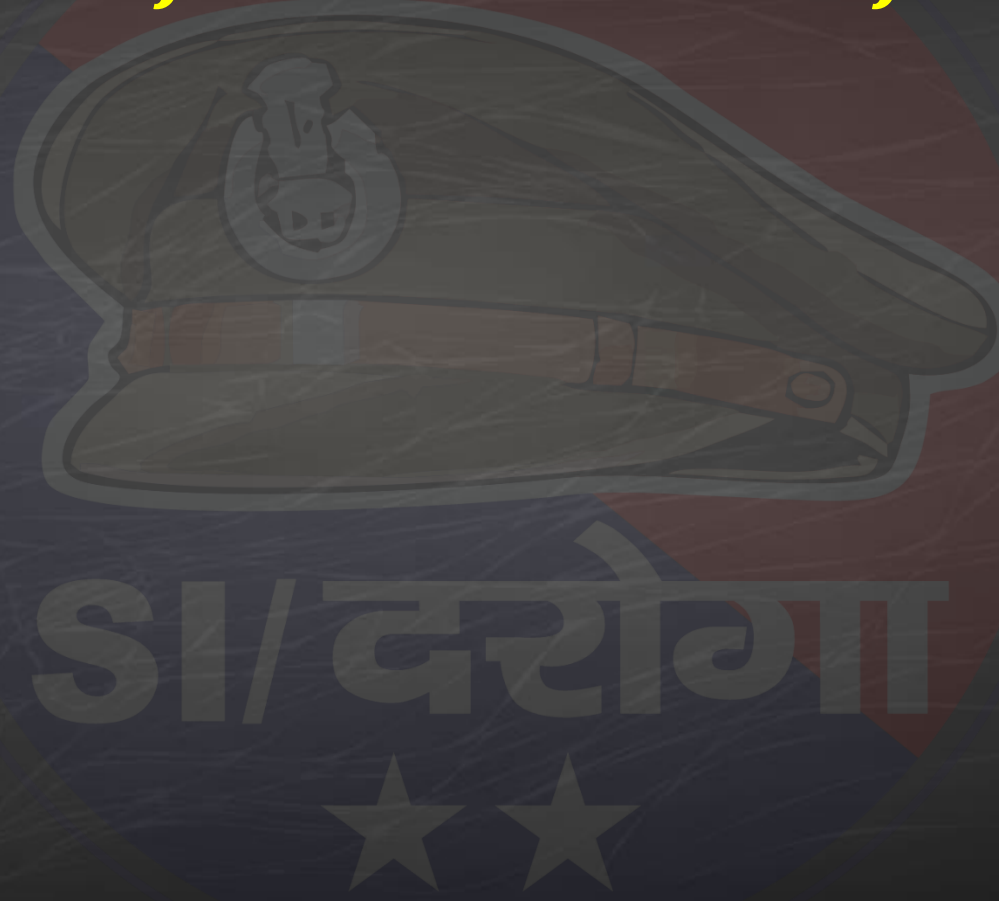


Find  $x / x$  का मान ज्ञात कीजिये ?

$$400 \text{ of } x \% + 160 \text{ of } 40 \% = 17 \% \text{ of } 400$$

**UPSI 2011**

- A) 1
- B) 2
- C) 0.1
- D) 4



Find  $\frac{0.9 \times 0.9 - 0.8 \times 0.8}{1.7} = ?$

UPSI 2011

A) 0.1

B) 0.2

C) 0.3

D) 0.4





Find the value / का मान ज्ञात कीजिये :

$$\frac{1}{5} + \frac{1}{6} + \frac{1}{8}$$

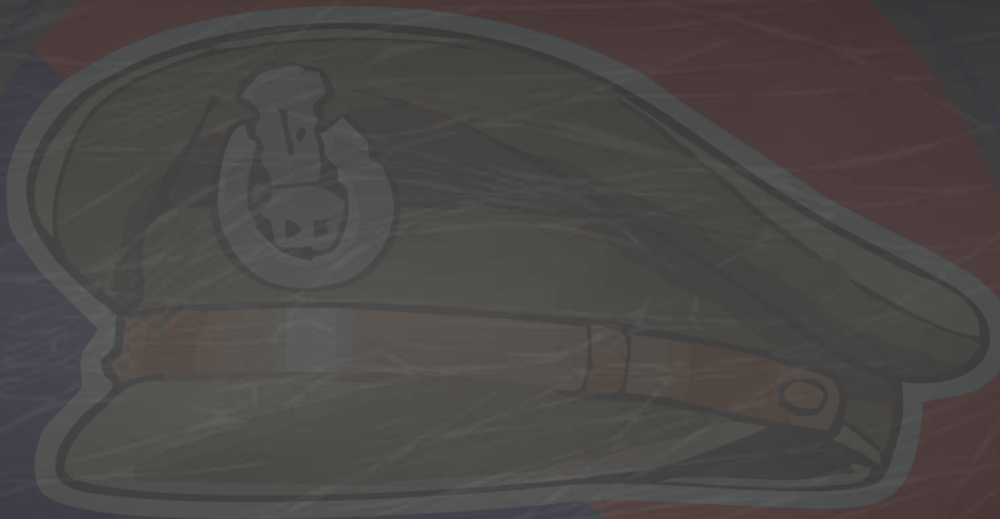
**UPSI 2011**

A) 59/120

B) 58/120


C) 58/60

D) 57/120



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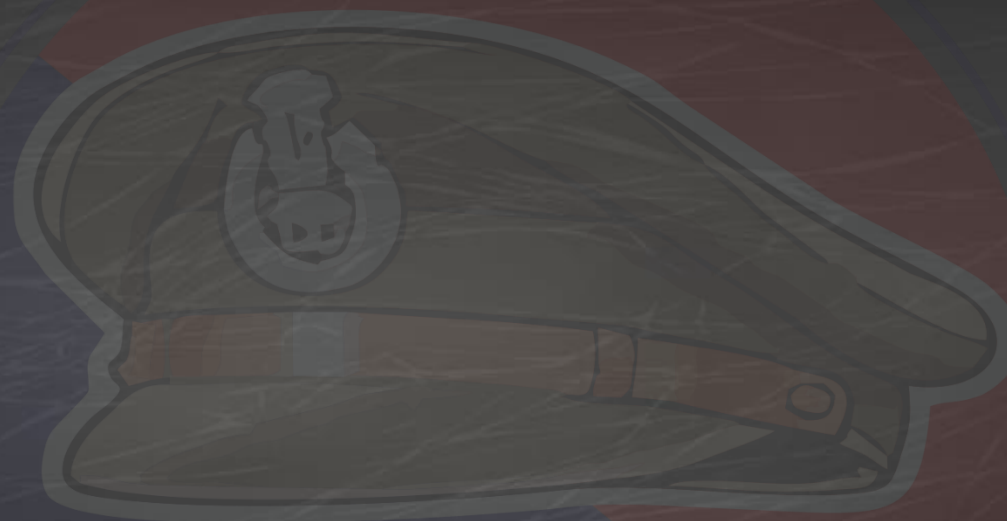
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$$\frac{\frac{180}{37} \text{ of } 14.8}{\frac{17}{60.1} \text{ of } 180.3} = ?$$

**UPSI 2011**

- A) 1.41
- B) 1.62
- C) 1.86
- D) 1.23



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Find the value of / निम्न का मान ज्ञात कीजिये

$$\frac{1}{1 \times 2} + \frac{1}{2 \times 3} + \frac{1}{3 \times 4} + \frac{1}{4 \times 5} + \dots + \frac{1}{49 \times 50}$$

**UPSI 2011**

A) 0.97

B) 0.98

C) 0.99

D) 0.96

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Find the value of / निम्न का मान ज्ञात कीजिये

**BIHAR SI**

$$\frac{1}{3 \times 5} + \frac{1}{5 \times 7} + \frac{1}{7 \times 9} + \frac{1}{9 \times 11} + \dots + \frac{1}{19 \times 21}$$

A)  $1/7$

B)  $3/7$

C)  $4/27$

D)  $1/21$

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Find the value of / ज्ञात कीजिये :

$$10 - [41 - \{28 + (12 - 3 - 1)\}]$$

BIHAR SI

A) 5

B) 4

C) 3

D) 2

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Find the value of / निम्न का मान ज्ञात कीजिये :

$$1.5 + 0.4(2 - 0.5) + 0.1 + 0.4$$

**BIHAR SI**

- A) 3.60
- B) 2.60
- C) 2.060
- D) 2.06

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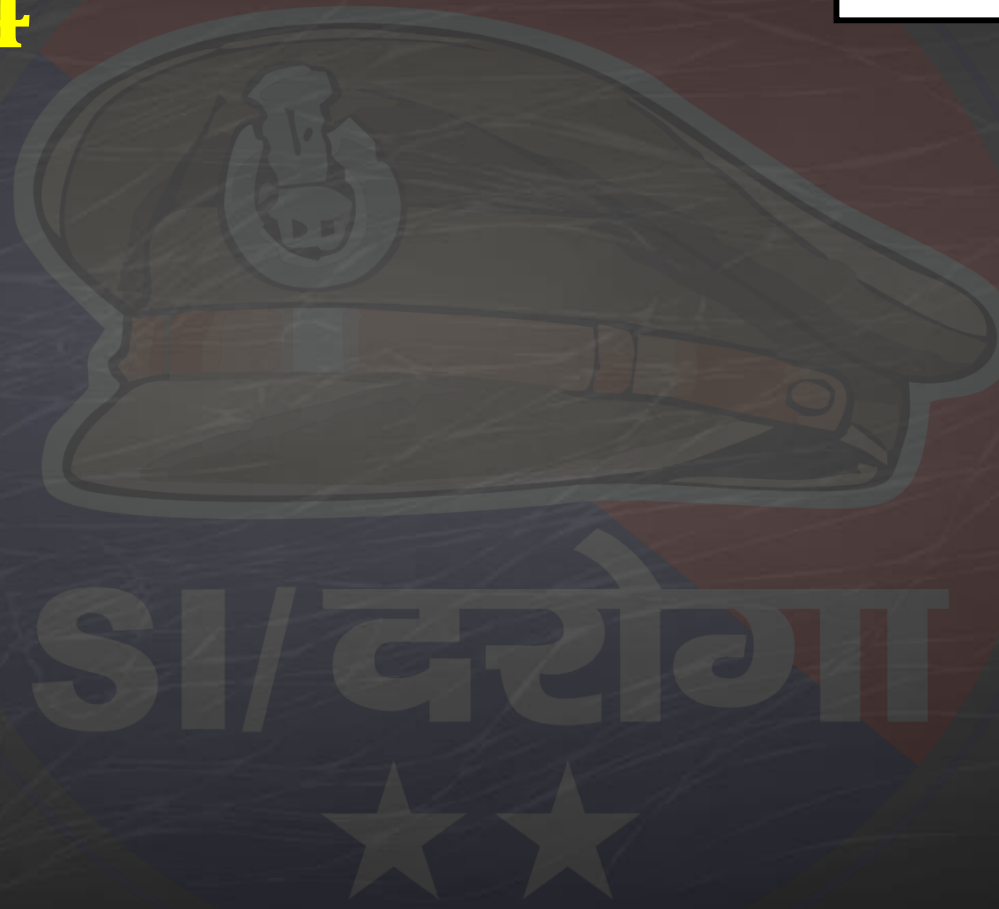
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$$5\frac{1}{8} + 7\frac{1}{6} + 9\frac{1}{4}$$

**EXPECTED PATTERN**

- A)  $21\frac{15}{24}$
- B)  $21\frac{13}{24}$
- C)  $20\frac{13}{24}$
- D)  $21\frac{17}{24}$



$$8\frac{2}{3} + 4\frac{1}{6} - 3\frac{1}{4}$$

**EXPECTED PATTERN**

- A)  $9\frac{7}{12}$
- B)  $9\frac{5}{12}$
- C)  $8\frac{7}{12}$
- D)  $10\frac{5}{12}$

