



SmartKeeda

The Question Bank

Presents

TestZone

India's least priced Test Series platform

JOIN

12 Month Plan

2018-19 All Test Series

@ Just

₹ 399/-

300+ Full Length Tests

- Brilliant Test Analysis
- Excellent Content
- Unmatched Explanations

JOIN NOW

Take Simplification Questions and Answers for SBI PO, IBPS PO, SBI Clerk, IBPS Clerk 2019 For Free

SIMPLIFICATION QUIZ 33

(1).

$$\frac{1}{6} \text{ of } 355 \text{ of } \frac{1}{5} \text{ of } 2160 + \sqrt{3969} - 448.98 = ?$$

A. 25424.02

B. 18436.02

C. 26834.02

D. 25174.02

E. None of these

(2).

$$? = \frac{1224}{44} \times \frac{220}{23} \div \frac{340}{414}$$

A. 316

B. 324

C. 336

D. 354

E. 386

(3). If $X = 10$, $Y = 7$, then

$$\frac{(X - Y)^4 - 18}{7} \times \frac{9XY}{10Y^2 - 6XY} = ?$$

A. 44

B. 113

C. 66

D. 81

E. 69

(4).

$$3990 \div 57 + \sqrt{361} + \sqrt{324} = ?^2 \times 535 \div 729 \times 5$$

A. 6.2

B. 4.5

C. 5.6

D. 6.4

E. None of these

(5).

$$[(2211 \div 67)^2 - 21 \times \sqrt{256}] \div (549 - 213) = ? \div 1344$$

A. 3052

B. 3012

C. 3042

D. 3062

E. 3032

(6).

$$784 \div \sqrt{196} + 25.6 \div 2 \times 1.5 \div \sqrt{8100} \times 3 = ?$$

- A. 66.64
D. 72.64

- B. 76.54
E. 76.46

C. 56.64

(7).

$$?^2 \% \text{ of } 11.11\% \text{ of } 256 \times 1872 \div 2704 = 81$$

- A. 9.75
D. 12.75

- B. 10.50
E. None of these

C. 11.25

(8).

$$3\frac{4}{7} \div [(62\% \text{ of } 620 \times 7) \div 2401] = ?^2$$

- A. 25/61
D. 52/83

- B. $(35/62) \times \sqrt{10}$
E. None of these

C. $(32/75) \times \sqrt{10}$

(9).

$$(6561 \times 117) \div 108 \times \sqrt{36} = 3^{?+4} \div 216^{1/3} \times 39$$

- A. 10
D. 8

- B. 6
E. 2

C. 4

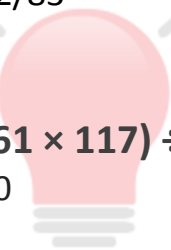
(10).

$$137 \div (512^{1/3} \div \sqrt{1225})[2 + 3(17 \div 68)] = ?547310$$

- A. 65
D. 84

- B. 45
E. None of these

C. 74



Smartkeeda

The Question Bank

Correct answers:

1	2	3	4	5	6	7	8	9	10
D	B	D	E	B	C	C	B	C	E

Explanations:

1.

$$\frac{1}{6} \text{ of } 355 \text{ of } \frac{1}{5} \text{ of } 2160 + \sqrt{3969} - 448.98 = ?$$

$$\Rightarrow 71 \times 360 + 63 - 448.98 = ?$$

$$\Rightarrow 25560 + 63 - 448.98 = ?$$

$$\Rightarrow ? = 25174.02$$

Hence, option D is correct.

2.

$$? = \frac{1224}{44} \times \frac{220}{23} \div \frac{340}{414}$$

$$\Rightarrow ? = \frac{\frac{1224}{44} \times \frac{220}{23}}{\frac{340}{414}}$$

$$\Rightarrow ? = \frac{1224}{44} \times \frac{220}{23} \times \frac{414}{340}$$

$$\Rightarrow ? = \frac{36}{2} \times 18$$

$$\therefore ? = 324$$



Hence, option B is correct.

3.

$$\Rightarrow \frac{(X - Y)^4 - 18}{7} \times \frac{9XY}{10Y^2 - 6XY} = ?$$

$$\Rightarrow \frac{81 - 18}{7} \times \frac{9 \times 10}{10 \times 7 - 6 \times 10}$$

$$\Rightarrow \frac{63}{7} \times \frac{9 \times 10}{10 \times 7 - 6 \times 10}$$

$$\Rightarrow 9 \times \frac{90}{10}$$

$$\Rightarrow 81$$

Hence, option D is correct.

4.

$$3990 \div 57 + \sqrt{361} + \sqrt{324} = ?^2 \times 535 \div 729 \times 5$$

$$70 + 19 + 18 = ?^2 \times 535 \div 729 \times 5$$

$$107 = ?^2 \times 535 \div 729 \times 5$$

$$?^2 = 729 \div 25$$

$$? = 27 \div 5$$

$$? = 5.4$$

Hence, option E is correct.



5.

$$[(2211 \div 67)^2 - 21 \times \sqrt{256}] \div (549 - 213) = ? \div 1344$$

$$[(33)^2 - 21 \times 16] \div 336 = ? \div 1344$$

$$(1089 - 336) \div 336 = ? \div 1344$$

$$753 \times 1344 \div 336 = ?$$

$$? = 3012$$

Hence, option B is correct.

6.

$$784 \div \sqrt{196} + 25.6 \div 2 \times 1.5 \div \sqrt{8100} \times 3 = ?$$

$$784 \div 14 + 25.6 \div 2 \times 1.5 \div 90 \times 3 = ?$$

$$56 + 0.64 = ?$$

$$? = 56.64$$

Hence, option C is correct.

7.

$$?^2 \% \text{ of } 11.11\% \text{ of } 256 \times 1872 \div 2704 = 81$$

$$?^2 \times 1 \div 900 \times 16 \times 1872 \div 52 = 81$$

$$?^2 = 81 \times 900 \times 52 \div 16 \div 1872$$

$$?^2 = 2025/16$$

$$? = 45/4 = 11.25$$

Hence, option C is correct.

8.

$$3\frac{4}{7} \div [(62\% \text{ of } 620 \times 7) \div 2401] = ?^2$$

$$?^2 = \frac{25}{7} \div (62 \times 62 \div 3430)$$

$$?^2 = \frac{25}{7} \times 3430 \div 62 \div 62$$

$$?^2 = 25 \times 490 \div 62 \div 62$$

$$? = 5 \times 7 \div 62 \times \sqrt{10}$$

$$? = \frac{35}{62} \times \sqrt{10}$$

Hence, option B is correct.

9.

$$(6561 \times 117) \div 108 \times 36 = 3^{?+4} \div 216^{1/3} \times 39$$

$$(6561 \times 117) \div 108 \times 6 = 3^{?+4} \div 6 \times 39$$

$$729 \times 117 \div 12 \times 6 \times 6 \div 39 = 3^{?+4}$$

$$729 \times 3 \times 3 = 3^{?+4}$$

$$3^{6+2} = 3^{?+4}$$

$$8 = ? + 4$$

Smartkeeda
The Question Bank

$$? = 4$$

Hence, option C is correct.

10.

$$13\frac{7}{5} \div (512^{1/3} \div \sqrt{1225}) \left[\frac{2}{4} + \frac{3}{7} \left(\frac{17}{3} \div \frac{68}{10} \right) \right] = ?$$

$$72/5 \div (8 \div 35) [2/4 + 3/7 (17/3 \times 10/68)] = ?$$

$$72/5 \times 35 \div 8 [2/4 + 3/7 \times 5/6] = ?$$

$$63 (2/4 + 5/14) = ?$$

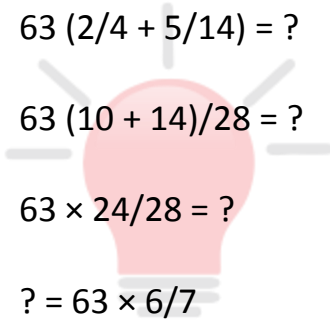
$$63 (10 + 14)/28 = ?$$

$$63 \times 24/28 = ?$$

$$? = 63 \times 6/7$$

$$? = 9 \times 6 = 54$$

Hence, option E is correct.



Smartkeeda
The Question Bank



SmartKeeda

The Question Bank

प्रस्तुत करते हैं

TestZone

भारत की सबसे किफायती टेस्ट सीरीज़

अभी
जुड़ें

12 Month Plan

2018-19 All Test Series

@ Just

₹ 399/-

300+ फुल लेन्थ टेस्ट

- श्रेष्ठ विश्लेषण
- उत्कृष्ट विषय सामग्री
- बेजोड़ व्याख्या

अभी जुड़ें