



- The Best Paid courses in affordable price with QRPs (Only courses with QRPs)
- FREE structure PYQs (All previous year papers at one place in structure way)
- FREE VOCAB quizzes (Vocab BOOSTER to boost your vocab)
- FREE MOCK TESTs (Free full mock tests & sectional mock tests)
- FREE MONTHLY CURRENT AFFAIRS PDFs with quizzes (Quiz is the best format to remember any thing)



Simplification

Exercise 1

1. The value of $27 \div 16 + [119 \div \{1491 \div 3(21 - 13 \times 8 + 4 \times 3)\}]$ is.
 $272 \div 16 + [119 \div \{1491 \div 3(21 - 13 \times 8 + 4 \times 3)\}]$ को हल कीजिए।
 a) -9 b) 11 c) 0 d) 4.8

2. Simplify: $\frac{5 \times 7 \text{ of } \frac{17}{5} \times \frac{1}{3}}{\frac{2 \times 5 \text{ of } \frac{28}{5} \times \frac{2}{9}}$
 a) $\frac{1}{2}$ b) 4 c) 2 d) $\frac{1}{4}$
3. Simplify $\frac{1 + \frac{1}{2}}{1 - \frac{1}{2}} \div \frac{4}{7} \left(\frac{2}{5} + \frac{3}{10} \right) \text{ of } \frac{1 + \frac{1}{3}}{\frac{1}{2} - \frac{1}{3}}$
 a) $\frac{2}{3}$ b) $37\frac{1}{2}$ c) $\frac{3}{2}$ d) $18\frac{3}{8}$

4. Simplify $\left[3\frac{1}{4} \div \left\{ 1\frac{1}{4} - \frac{1}{2} \left(2\frac{1}{2} - \frac{1}{4} - \frac{1}{6} \right) \right\} \right] \div \left(\frac{1}{2} \text{ of } 4\frac{1}{3} \right)$
 a) 18 b) 36 c) 39 d) 78

5. Evaluate: $\frac{9|3-5|-5|4| \div 10}{-3(5)-2 \times 4 \div 2}$
 a) $\frac{9}{10}$ b) $-\frac{8}{10}$ c) $-\frac{16}{19}$ d) $\frac{4}{7}$

6. If $M = \frac{3}{7} \div \frac{6}{5} \times \frac{2}{3} + \frac{1}{5} \times \frac{3}{2}$ and $N = \frac{2}{5} \times \frac{5}{6} \div \frac{1}{3} + \frac{3}{5} \times \frac{2}{3} \div \frac{3}{5}$, then what is the value of $\frac{M}{N}$?
 यदि $M = \frac{3}{7} \div \frac{6}{5} \times \frac{2}{3} + \frac{1}{5} \times \frac{3}{2}$ तथा $N = \frac{2}{5} \times \frac{5}{6} \div \frac{1}{3} + \frac{3}{5} \times \frac{2}{3} \div \frac{3}{5}$ हैं, तो $\frac{M}{N}$ का मान क्या है?
 a) $\frac{207}{560}$ b) $\frac{339}{1120}$ c) $\frac{113}{350}$ d) $\frac{69}{175}$

7. If $A = 3\frac{1}{4} \times 4\frac{1}{4} \div 34 - \frac{47}{32} + \frac{47}{16}$ and $B = 2\frac{1}{2} + 5\frac{1}{2} \div 55 - \frac{11}{10}$, then what is the value of $A - B$?
 यदि $A = 3\frac{1}{4} \times 4\frac{1}{4} \div 34 - \frac{47}{32} + \frac{47}{16}$ तथा $B = 2\frac{1}{2} + 5\frac{1}{2} \div 55 - \frac{11}{10}$ हो, तो $A - B$ का मान क्या है?
 a) $\frac{5}{8}$ b) 1 c) 0 d) $\frac{3}{8}$

8. What is the value of $\left[\frac{1}{5} + \left\{ \frac{1}{7} \text{ of } \left(\frac{25}{42} \div \frac{35}{6} \right) - \left(\frac{4}{7} \times \frac{6}{5} \div \frac{54}{63} \right) \right\} + \frac{28}{40} \right]$?
 $\left[\frac{1}{5} + \left\{ \frac{1}{7} \text{ of } \left(\frac{25}{42} \div \frac{35}{6} \right) - \left(\frac{4}{7} \times \frac{6}{5} \div \frac{54}{63} \right) \right\} + \frac{28}{40} \right]$ का मान क्या होगा?
 a) $\frac{383}{3430}$ b) $\frac{99}{490}$ c) $\frac{393}{3430}$ d) $\frac{403}{3430}$

9. Simplify: $\frac{27 \div 24 \text{ of } \frac{63}{28} \times \frac{9}{4} \div \frac{196}{95}}{\frac{35 \div 15 \text{ of } \frac{7}{48} \times \frac{5}{16} \div \frac{196}{95}}$
 सरलीकरण करें: $\frac{27 \div 24 \text{ of } \frac{63}{28} \times \frac{9}{4} \div \frac{196}{95}}{\frac{35 \div 15 \text{ of } \frac{7}{48} \times \frac{5}{16} \div \frac{196}{95}}$
 a) $-\frac{40}{357}$ b) $-\frac{40}{343}$ c) $\frac{40}{343}$ d) $-\frac{40}{243}$

10. What is the value of p , if $25(3 + 4p) \div 12$ of $5 - 3 \times 8 = 6$?
 यदि $25(3 + 4p) \div 12$ of $5 - 3 \times 8 = 6$ है, तो p का मान क्या है?
 a) 72 b) 69 c) $15\frac{1}{3}$ d) $17\frac{1}{4}$

11. $56\% \text{ of } 4800 - \left\{ (9^3 \times 8) \div \sqrt{6561} \right\} - 48\% \text{ of } (81 \div 8) = ?$
 $56\% \text{ of } 4800 - \left\{ (9^3 \times 8) \div \sqrt{6561} \right\} - 48\% \text{ of } (81 \div 8) = ?$
 a) 2612.86 b) 2611.14
 c) 2611.86 d) 2612.14

12. Simplify the following expression.
 निम्नलिखित व्यंजक को हल कीजिए।
 $3\frac{6}{7} - \left\{ 5\frac{1}{7} - \left(2\frac{3}{7} - 3\frac{5}{7} - 4 \right) \right\}$
 a) $\frac{34}{7}$ b) $\frac{20}{7}$ c) $\frac{44}{7}$ d) $\frac{10}{7}$

13. Simplify: $\frac{6}{5} \div \frac{6}{5} \text{ of } \frac{6}{5} \times \frac{5}{6} + \frac{9}{4} \div \frac{4}{5} \text{ of } \frac{15}{2} - \left\{ 8\frac{5}{9} + \left(\frac{4}{3} + \frac{5}{3} \text{ of } \frac{6}{25} \right) \right\}$
 $\frac{6}{5} \div \frac{6}{5} \text{ of } \frac{6}{5} \times \frac{5}{6} + \frac{9}{4} \div \frac{4}{5} \text{ of } \frac{15}{2} - \left\{ 8\frac{5}{9} + \left(\frac{4}{3} + \frac{5}{3} \text{ of } \frac{6}{25} \right) \right\}$ का मान ज्ञात कीजिए।
 a) $-9\frac{9}{40}$ b) $-9\frac{79}{360}$ c) $-8\frac{281}{360}$ d) $-9\frac{7}{120}$



- The Best Paid courses in affordable price with QRPs (Only courses with QRPs)
- FREE structure PYQs (All previous year papers at one place in structure way)
- FREE VOCAB quizzes (Vocab BOOSTER to boost your vocab)
- FREE MOCK TESTs (Free full mock tests & sectional mock tests)
- FREE MONTHLY CURRENT AFFAIRS PDFs with quizzes (Quiz is the best format to remember any thing)



By Bhutesh Sir:
CAT Topper (98.74%ile)
3 times CGL selected

14. The value of $\left(1\frac{1}{3} \div 2\frac{6}{7} \text{ of } 5\frac{3}{5}\right) \times \left(6\frac{2}{5} \div 4\frac{1}{2} \text{ of } 5\frac{1}{3}\right) \div \left(\frac{3}{4} \times 2\frac{2}{3} \div \frac{5}{9} \text{ of } 1\frac{1}{5}\right) = k$, where

K lies between:

$\left(1\frac{1}{3} \div 2\frac{6}{7} \text{ of } 5\frac{3}{5}\right) \times \left(6\frac{2}{5} \div 4\frac{1}{2} \text{ of } 5\frac{1}{3}\right) \div \left(\frac{3}{4} \times 2\frac{2}{3} \div \frac{5}{9} \text{ of } 1\frac{1}{5}\right) = k$ है, जहाँ k का मान _____ के मध्य स्थित है।

- a) 0.0007 and 0.0008 b) 0.007 and 0.008
c) 0.07 and 0.08 d) 0.7 and 0.8

15. The least number to be added to the expression $\frac{3\frac{1}{4} \cdot \frac{4}{5} \text{ of } \frac{5}{6}}{4\frac{1}{3} \div \frac{1}{5} - \left(\frac{3}{10} + 21\frac{1}{5}\right)}$ to make it a perfect square.

$\frac{3\frac{1}{4} \cdot \frac{4}{5} \text{ of } \frac{5}{6}}{4\frac{1}{3} \div \frac{1}{5} - \left(\frac{3}{10} + 21\frac{1}{5}\right)}$ में कौनसी छोटी से छोटी संख्या जोड़ी जाए ताकि वह एक पूर्ण वर्ग बन जाए?

- a) $\frac{1}{2}$ b) $\frac{5}{6}$ c) $\frac{1}{4}$ d) $\frac{3}{10}$

16. Which of the following options has the greatest value?

निम्नलिखित में से किस विकल्प का मान सबसे बड़ा है?

- a) $(-18) - 45 + (-3 - 2)$
b) $(-99) + (-44) - 12$
c) $20 + 4 + (-8) - 2 + 3 + 6$
d) $4(-22 + (-4 - 7))$

17. Simplify: सरल करें:

- $2[8p + 5\{n - 2(n - \overline{n + p}) + 4p\}]$
a) $6p + 10n$ b) $7p + 6n$
c) $76p + 10n$ d) $10p + 10n$

18. The value of $26.4 \times 12.5 + \sqrt{22^2 + 20 + 11^2} - 31$ is:

$26.4 \times 12.5 + \sqrt{22^2 + 20 + 11^2} - 31$ का मान ज्ञात कीजिए।
a) 384 b) 284 c) 18 d) 324

Answer Key

1. C	2. C	3. C	4. B	5. D
6. C	7. D	8. C	9. B	10. D
11. B	12. D	13. B	14. B	15. A
16. C	17. C	18. D		

Exercise 2

1. $\frac{1}{30} + \frac{1}{42} + \frac{1}{56} + \frac{1}{72} + \frac{1}{90} + \frac{1}{110} = ?$

- a) $\sqrt{2}$ b) $\frac{2}{27}$ c) $\frac{5}{27}$ d) $\frac{6}{55}$

2. Find the sum of the following:

जोड़फल ज्ञात कीजिए:

$\frac{1}{9} + \frac{1}{6} + \frac{1}{12} + \frac{1}{20} + \frac{1}{30} + \frac{1}{42} + \frac{1}{56} + \frac{1}{72}$

- a) $\frac{1}{2}$ b) 0 c) $\frac{1}{9}$ d) $\frac{1}{2520}$

3. $\left(\frac{1}{1 \cdot 4} + \frac{1}{4 \cdot 7} + \frac{1}{7 \cdot 10} + \frac{1}{10 \cdot 13} + \frac{1}{13 \cdot 16}\right)$ is equal to

- a) $\frac{1}{3}$ b) $\frac{5}{16}$ c) $\frac{3}{8}$ d) $\frac{41}{7280}$

4. $\left(\frac{1}{3 \cdot 5} + \frac{1}{5 \cdot 7} + \frac{1}{7 \cdot 9} + \frac{1}{9 \cdot 11} + \frac{1}{11 \cdot 13} + \frac{1}{13 \cdot 15}\right)$ is equal to

- a) $\frac{2}{45}$ b) $\frac{4}{45}$ c) $\frac{7}{45}$ d) $\frac{2}{15}$

5. What is the value of $\frac{1}{3 \times 7} + \frac{1}{7 \times 11} + \frac{1}{11 \times 15} + \dots +$

$\frac{1}{899 \times 903} ?$

$\frac{1}{3 \times 7} + \frac{1}{7 \times 11} + \frac{1}{11 \times 15} + \dots + \frac{1}{899 \times 903}$ का मान क्या है?

- a) $\frac{21}{509}$ b) $\frac{18}{403}$ c) $\frac{25}{301}$ d) $\frac{29}{31}$

6. Which of the following statement(s) is/are TRUE?

निम्नलिखित में से कौन सा/से कथन सत्य है/हैं?

I. $\frac{1}{1 \times 3} + \frac{1}{3 \times 5} + \frac{1}{5 \times 7} + \dots + \frac{1}{11 \times 13} = \frac{12}{13}$

II. $\frac{1}{1 \times 2} + \frac{1}{2 \times 3} + \frac{1}{3 \times 4} + \dots + \frac{1}{12 \times 13} = \frac{12}{13}$

- a) Only I b) Only II
c) Both I and II d) Neither I nor II



By Bhutesh Sir;
CAT Topper (98.74%ile)
3 times CGL selected

SUBSCRIBE "e1 coaching center" on YouTube & get:

- Best content for SSC CGL, CHSL, CPO, MTS, CDS, Railway
- Latest Exams questions solutions
- Best series for All competitive Exams
- SSC CGL Tier 2 (2011 to 2021) All ques Chapter wise with pdf

SCAN THE QR CODE



7. If $A = \frac{1}{1 \times 2} + \frac{1}{1 \times 4} + \frac{1}{2 \times 3} + \frac{1}{4 \times 7} + \frac{1}{3 \times 4} + \frac{1}{7 \times 10} \dots$
upto 20 terms, then what is the value of A?

यदि $A = \frac{1}{1 \times 2} + \frac{1}{1 \times 4} + \frac{1}{2 \times 3} + \frac{1}{4 \times 7} + \frac{1}{3 \times 4} + \frac{1}{7 \times 10} \dots$

20 पदों तक हो, तो A का मान क्या है?

- a) $\frac{379}{308}$ b) $\frac{171}{140}$ c) $\frac{379}{310}$ d) $\frac{420}{341}$

8. What is the value of $\frac{7}{2} + \frac{11}{3} + \frac{7}{6} + \frac{11}{15} + \frac{7}{12} + \frac{11}{35} + \dots + \frac{7}{156} + \frac{11}{575}$?

$\frac{7}{2} + \frac{11}{3} + \frac{7}{6} + \frac{11}{15} + \frac{7}{12} + \frac{11}{35} + \dots + \frac{7}{156} + \frac{11}{575}$ का

मान क्या है?

- a) $\frac{3917}{355}$ b) $\frac{3816}{325}$
c) $\frac{3714}{345}$ d) $\frac{3216}{315}$

9. What is the value of $\frac{7}{2} + \frac{11}{3} + \frac{7}{6} + \frac{11}{15} + \frac{7}{12} + \frac{11}{35} + \dots + \frac{7}{156} + \frac{11}{575}$?

$\frac{7}{2} + \frac{11}{3} + \frac{7}{6} + \frac{11}{15} + \frac{7}{12} + \frac{11}{35} + \dots + \frac{7}{156} + \frac{11}{575}$ का

मान क्या है?

- a) $\frac{3917}{355}$ b) $\frac{3816}{325}$
c) $\frac{3714}{345}$ d) $\frac{3216}{315}$

10. यदि $x = \frac{1}{12 \cdot 13} + \frac{1}{13 \cdot 14} + \frac{1}{14 \cdot 15} + \dots + \frac{1}{71 \cdot 72}$,
 $y = \frac{1}{23 \cdot 24} + \frac{1}{36 \cdot 37} + \frac{1}{37 \cdot 38} + \frac{1}{38 \cdot 39} + \dots + \frac{1}{71 \cdot 72}$,

तो $\frac{x}{y}$ का मान ज्ञात कीजिये:

- a) $\frac{1}{3}$ b) $\frac{1}{24}$ c) $\frac{1}{72}$ d) 3

11. What is the value of $\frac{1}{1 \times 5 \times 9} + \frac{1}{5 \times 9 \times 13} + \frac{1}{9 \times 13 \times 17}$?

$\frac{1}{1 \times 5 \times 9} + \frac{1}{5 \times 9 \times 13} + \frac{1}{9 \times 13 \times 17}$ का मान क्या है?

- a) $\frac{216}{5 \times 13 \times 17}$ b) $\frac{54}{5 \times 13 \times 17}$
c) $\frac{27}{5 \times 13 \times 17}$ d) None of these

12. What is the value of $\frac{2}{3 \times 5 \times 7} + \frac{2}{5 \times 7 \times 9} + \frac{2}{7 \times 9 \times 11} + \dots$ up to 10 terms?

$\frac{2}{3 \times 5 \times 7} + \frac{2}{5 \times 7 \times 9} + \frac{2}{7 \times 9 \times 11} + \dots$ का 10 पदों

तक मान क्या है?

- a) $\frac{112}{1725}$ b) $\frac{56}{1725}$ c) $\frac{28}{1725}$ d) None of these

13. What is the value of $S = \frac{1}{1 \times 3 \times 5} + \frac{1}{1 \times 4} + \frac{1}{3 \times 5 \times 7} + \frac{1}{4 \times 7} + \frac{1}{5 \times 7 \times 9} + \frac{1}{7 \times 10} + \dots$ upto 20 terms, then what is the value of S?

$S = \frac{1}{1 \times 3 \times 5} + \frac{1}{1 \times 4} + \frac{1}{3 \times 5 \times 7} + \frac{1}{4 \times 7} + \frac{1}{5 \times 7 \times 9} + \frac{1}{7 \times 10} + \dots$ 20 पदों तक हैं, तो S का मान क्या है?

- a) $\frac{6179}{15275}$ b) $\frac{6070}{14973}$ c) $\frac{7191}{15174}$ d) $\frac{5183}{16423}$

14. $\sqrt{6 + \sqrt{6 + \sqrt{6 + \dots}}}$ is equal to

- a) $6^{\frac{2}{3}}$ b) 6 c) $3\frac{1}{2}$ d) 3

15. $\sqrt{72 - \sqrt{72 - \sqrt{72 - \dots}}}$ is equal to

- a) $8^{\frac{2}{3}}$ b) 8 c) 9 d) 3

16. If $m = \sqrt{5 + \sqrt{5 + \sqrt{5 + \dots}}}$ and $n = \sqrt{5 - \sqrt{5 - \sqrt{5 - \dots}}}$ then the relation between m and n is

अगर $m = \sqrt{5 + \sqrt{5 + \sqrt{5 + \dots}}}$ और $n = \sqrt{5 - \sqrt{5 - \sqrt{5 - \dots}}}$ है तो m और n में क्या सम्बन्ध है?

- a) $m - n + 1 = 0$ b) $m + n + 1 = 0$
c) $m + n - 1 = 0$ d) $m - n - 1 = 0$

17. The value of $\sqrt{1 + \sqrt{1 + \sqrt{1 + \dots}}}$

$\sqrt{1 + \sqrt{1 + \sqrt{1 + \dots}}}$ का मान है :

- a) Equals to 1 b) Lies between 0 and 1
c) Lies between 1 and 2 d) is greater than 2

18. The value of $\sqrt{1 + \sqrt{1 + \sqrt{1 + \dots}}}$

$\sqrt{1 + \sqrt{1 + \sqrt{1 + \dots}}}$ का मान है :

- a) Equals to 1 b) Lies between 0 and 1
c) Lies between 1 and 2 d) is greater than 2



- The Best Paid courses in affordable price with QRPs (Only courses with QRPs)
- FREE structure PYQs (All previous year papers at one place in structure way)
- FREE VOCAB quizzes (Vocab BOOSTER to boost your vocab)
- FREE MOCK TESTs (Free full mock tests & sectional mock tests)
- FREE MONTHLY CURRENT AFFAIRS PDFs with quizzes (Quiz is the best format to remember any thing)



19. If $x = \sqrt[3]{a \sqrt{b \sqrt{a \sqrt{b \dots}}}}$, then value of x is

अगर $x = \sqrt[3]{a \sqrt{b \sqrt{a \sqrt{b \dots}}}}$ है तो x का

मान:

- a) $\sqrt[5]{ab^3}$ b) $\sqrt[3]{a^5b}$ c) $\sqrt[3]{a^3b}$ d) $\sqrt[5]{a^3b}$

20. Solve $\sqrt[2]{2 \sqrt[3]{4 \sqrt{2 \sqrt[3]{4 \dots}}}}$,

- a) 2 b) 4 c) 16 d) 32

21. If $x = \sqrt[4]{4 \sqrt[4]{4 \sqrt[4]{4 \dots}} \dots} = 32^a$, then $a = ?$

यदि $x = \sqrt[4]{4 \sqrt[4]{4 \sqrt[4]{4 \dots}} \dots} = 32^a$ है, तो a का

मान होगा :

- a) $\frac{2}{15}$ b) $\frac{4}{15}$ c) $\frac{2}{5}$ d) $\frac{1}{5}$

22. If $m = \sqrt{6 + \sqrt{6 - \sqrt{6 + \sqrt{6 - \dots}} \dots}} \infty$ then

$m^4 - 12m^2 + m + 36 = ?$

अगर $m = \sqrt{6 + \sqrt{6 - \sqrt{6 + \sqrt{6 - \dots}} \dots}} \infty$ तो

$m^4 - 12m^2 + m + 36 = ?$

- a) 0 b) -6 c) 6 d) None of these

23. Given that $1^2 + 2^2 + 3^2 + \dots + 20^2 = 2870$, the value of $(2^2 + 4^2 + 6^2 + \dots + 40^2)$ is

दिया हुआ है $1^2 + 2^2 + 3^2 + \dots + 20^2 = 2870$ तो $(2^2 + 4^2 + 6^2 + \dots + 40^2)$ का मान पता करें:

- a) 11480 b) 5740 c) 28700 d) 2870

24. Given $1^3 + 2^3 + 3^3 + \dots + 10^3 = 3025$ then $2^3 + 4^3 + 6^3 + \dots + 20^3$ is equal to

अगर $1^3 + 2^3 + 3^3 + \dots + 10^3 = 3025$ है तो $2^3 + 4^3 + 6^3 + \dots + 20^3$ पता करें:

- a) 6050 b) 9075 c) 12100 d) 24200

25. Find $1^2 + 3^2 + 5^2 + \dots + 17^2$.

- a) 1700 b) 969 c) 1785 d) 980

26. What is the value of $14^3 + 16^3 + 18^3 + \dots + 30^3$?

$14^3 + 16^3 + 18^3 + \dots + 30^3$ का मान क्या है?

- a) 134576 b) 120212
c) 115624 d) 111672

27. What is the sum of first 20 terms of the following series?

$1 \times 2 + 2 \times 3 + 3 \times 4 + 4 \times 5 + \dots$

दी गई श्रृंखला के पहले 20 पदों के योग क्या है?

$1 \times 2 + 2 \times 3 + 3 \times 4 + 4 \times 5 + \dots$

- a) 3160 b) 2940 c) 3240 d) 3080

28. Which of the following statement(s) is/are TRUE?

निम्नलिखित में से कौन सा/से कथन सत्य है/हैं?

$\frac{3}{110} < \frac{9}{308} < \frac{7}{225}$

$99\frac{1}{7} + 99\frac{2}{7} + 99\frac{3}{7} + \dots + 99\frac{6}{7} = 279$

- a) Only I b) Only II
c) Neither I nor II d) Both I and II

29. Which of the following statement(s) is/are TRUE?

निम्नलिखित में से कौन सा/से कथन सत्य है/हैं?

I. $11\frac{1}{2} + 17\frac{3}{4} - 5\frac{1}{5} - 2\frac{1}{10} = \frac{439}{20}$

II. $\frac{9}{1078} > \frac{11}{1127} > \frac{12}{1219}$

III. $\frac{149}{151} > \frac{153}{155} > \frac{157}{159}$

- a) Only I b) Only II
c) Only III d) None is true



- Best content for SSC CGL, CHSL, CPO, MTS, CDS, Railway
- Latest Exams questions solutions
- Best series for All competitive Exams
- SSC CGL Tier 2 (2011 to 2021) All ques Chapter wise with pdf

30. Which of the following statement(s) is/are TRUE?

निम्नलिखित में से कौन सा/से कथन सत्य है/हैं?

$$\frac{3}{71} < \frac{5}{91} < \frac{7}{99}$$

$$\frac{11}{135} > \frac{12}{157} > \frac{13}{181}$$

- a) Only I b) Only II
c) Both I and II d) Neither I nor II

31. Arrange the given ratios in descending order

15 : 7, 5 : 11 and 21 : 77.

दिए गए अनुपातों को अवरोही क्रम में व्यवस्थित करें

15 : 7, 5 : 11 and 21 : 77.

- a) 21 : 77 > 5 : 11 > 15 : 7
b) 15 : 7 > 5 : 11 > 21 : 77
c) 15 : 7 > 21 : 77 > 5 : 11
d) 5 : 11 > 15 : 7 > 21 : 77

32. If $P = \frac{96}{95 \times 97}$, $Q = \frac{97}{96 \times 98}$ and $R = \frac{1}{97}$, then which of the following is TRUE?

यदि $P = \frac{96}{95 \times 97}$, $Q = \frac{97}{96 \times 98}$ तथा $R = \frac{1}{97}$ हैं, तो निम्नलिखित में से कौन सा सत्य है?

- a) $P < Q < R$ b) $R < Q < P$
c) $Q < P < R$ d) $R < P < Q$

Answer Key

1. D	2. A	3. B	4. D	5. C
6. B	7. D	8. D	9. B	10. D
11. C	12. B	13. B	14. D	15. B
16. D	17. C	18. C	19. D	20. A
21. A	22. C	23. A	24. D	25. B
26. D	27. D	28. A	29. A	30. C
31. B	32. B			

Exercise 3

1. Simplify:

$$1 + \frac{1}{1 + \frac{2}{2 + \frac{3}{1 + \frac{4}{5}}}}$$

- a) $\frac{11}{17}$ b) $1\frac{5}{7}$ c) $1\frac{6}{17}$ d) $1\frac{11}{17}$

2. If $x = 1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{2}}}}$ then the value of $2x + \frac{7}{4}$ is

अगर $x = 1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{1 + \frac{1}{2}}}}$ है तो $2x + \frac{7}{4}$ का मान:

- a) 3 b) 4 c) 5 d) 6

3. $\sqrt{\frac{4\frac{1}{7} - 2\frac{1}{4}}{3\frac{1}{2} + 1\frac{1}{7}}} \div \frac{1}{2 + \frac{1}{2 + \frac{1}{5 - \frac{1}{5}}}}$ is equal to

- a) 1 b) 4 c) 3 d) 2

4. If $\frac{61}{19} = 3 + \frac{1}{x + \frac{1}{y + \frac{1}{z}}}$ where x, y and z are natural numbers, then z is equal to

यदि $\frac{61}{19} = 3 + \frac{1}{x + \frac{1}{y + \frac{1}{z}}}$ है, जहाँ x, y और z प्राकृत संख्याएँ हैं, तो z बराबर है :

- a) 1 b) 2 c) 3 d) 4

5. If $\frac{37}{13} = 2 + \frac{1}{x + \frac{1}{y + \frac{1}{z}}}$ where x, y, z are natural numbers, then what is z equal to?

यदि $\frac{37}{13} = 2 + \frac{1}{x + \frac{1}{y + \frac{1}{z}}}$ है, जहाँ x, y, z प्राकृत संख्याएँ हैं, तो z किसके बराबर है ?

- a) 1 b) 2
c) 3 d) Cannot be determined

6. If $\frac{36}{11} = 3 + \frac{1}{x + \frac{1}{y + \frac{1}{z}}}$, where x, y and z are natural numbers, then what is (x + y + z) equal to:



- The Best Paid courses in affordable price with QRPs (Only courses with QRPs)
- FREE structure PYQs (All previous year papers at one place in structure way)
- FREE VOCAB quizzes (Vocab BOOSTER to boost your vocab)
- FREE MOCK TESTs (Free full mock tests & sectional mock tests)
- FREE MONTHLY CURRENT AFFAIRS PDFs with quizzes (Quiz is the best format to remember any thing)

By Bhutesh Sir:
CAT Topper (98.74%ile)
3 times CGL selected

यदि $\frac{36}{11} = 3 + \frac{1}{x + \frac{1}{y + \frac{1}{z}}}$ है, जहाँ x, y और z प्राकृतिक

संख्याएँ हैं, तो $(x + y + z)$ का मान क्या होगा ?

- a) 6 b) 7 c) 8 d) 9

7. If $a, b,$ and c are positive integers such that

$$\frac{1}{a + \frac{1}{b + \frac{1}{c + \frac{1}{2}}}} = \frac{16}{23},$$
 then what is the mean of a, b and c ?

c ?

यदि $a, b,$ और c धनात्मक पूर्णांक ऐसे हैं कि

$$\frac{1}{a + \frac{1}{b + \frac{1}{c + \frac{1}{2}}}} = \frac{16}{23},$$
 तो a, b और c का माध्य क्या होगा ?

?

- a) 1 b) 2 c) 1.33 d) 2.33

8. What is the value of $\sqrt{121} +$

$$\sqrt{12321} + \sqrt{1234321} + \sqrt{123454321} ?$$

$$\sqrt{121} +$$

$$\sqrt{12321} + \sqrt{1234321} + \sqrt{123454321}$$
 का

मान क्या है ?

- a) 12345 b) 123456 c) 12344 d) 123454

9. Which of the following statement(s) is/are TRUE?

निम्नलिखित में से कौन सा/से कथन सत्य है/हैं?

I. $\sqrt{121} + \sqrt{12321} + \sqrt{1234321} = 1233$

II. $\sqrt{0.64} + \sqrt{64} + \sqrt{36} + \sqrt{0.36} > 15$

- a) Only I b) Only II
c) Neither I nor II d) Both I and II

10. Which of the following statement(s) is/are TRUE?

निम्नलिखित में से कौन सा/से कथन सत्य है/हैं?

I. $(0.7)^2 + (0.07)^2 + (11.1)^2 > 123.8$

II. $(1.12)^2 + (10.3)^2 + (1.05)^2 > 108.3$

- a) Only I b) Only II
c) Both I and II d) Neither I nor II

11. Which of the following statement(s) is/are TRUE?

निम्नलिखित में से कौन सा/से कथन सत्य है/हैं?

I.

$$\sqrt{(64)} + \sqrt{(0.0064)} + \sqrt{(0.81)} + \sqrt{(0.0081)} = 9.07$$

II.

$$\sqrt{(0.010201)} + \sqrt{(98.01)} + \sqrt{(0.25)} = 11.51$$

- a) Only I b) Only II
c) Both I and II d) Neither I nor II

12. Assume that $\sqrt{13} = 3.605$ (approximately)

$$\sqrt{130} = 11.40$$
 (approximately)

Find the value of: $\sqrt{1.3} + \sqrt{1300} + \sqrt{0.013}$

मान लो की $\sqrt{13} = 3.605$ (लगभग)

$$\sqrt{130} = 11.40$$
 (लगभग)

मान पता करें: $\sqrt{1.3} + \sqrt{1300} + \sqrt{0.013}$

- a) 36.164 b) 36.304 c) 37.304 d) 37.164

13. $\sqrt{\frac{16^2+26^2+36^2}{8^2+13^2+18^2}}$ is:

- a) 2^2 b) 2 c) $\sqrt{2}$ d) None of these

14. $\sqrt{\frac{(0.1)^2+(0.01)^2+(0.009)^2}{(0.01)^2+(0.001)^2+(0.0009)^2}}$ is:

- a) 10^2 b) 10 c) 0.1 d) 0.01

15. The value of $\sqrt{\frac{(6.1)^2+(61.1)^2+(611.1)^2}{(0.61)^2+(6.11)^2+(61.11)^2}}$ is

- a) 0.1 b) 1.1 c) 10 d) 100

16. What is the value of $\frac{1}{0.2} + \frac{1}{0.02} + \frac{1}{0.002} + \dots$ upto 9 terms?

$\frac{1}{0.2} + \frac{1}{0.02} + \frac{1}{0.002} + \dots$ 9 पदों तक का मान क्या है?

- a) 222222222 b) 111111111
c) 555555555 d) 525252525

17. If $A = \left(\frac{1}{0.4}\right) + \left(\frac{1}{0.04}\right) + \left(\frac{1}{0.004}\right) + \dots$ upto 8 terms, then what is the value of A?



By Bhutesh Sir:
CAT Topper (98.74%ile)
3 times CGL selected

SUBSCRIBE "e1 coaching center" on YouTube & get:

- Best content for SSC CGL, CHSL, CPO, MTS, CDS, Railway
- Latest Exams questions solutions
- Best series for All competitive Exams
- SSC CGL Tier 2 (2011 to 2021) All ques Chapter wise with pdf

SCAN THE QR CODE



यदि $A = \left(\frac{1}{0.4}\right) + \left(\frac{1}{0.04}\right) + \left(\frac{1}{0.004}\right) + \dots$ 8 पदों तक है, तो A का मान क्या है?

- a) 27272727.5 b) 25252525.5
c) 27777777.5 d) 25555555.5

18. What is the sum of first 40 terms of $1 + 3 + 4 + 5 + 7 + 7 + 10 + 9 + \dots$?
 $1 + 3 + 4 + 5 + 7 + 7 + 10 + 9 + \dots$

के प्रथम 40 पदों का योग क्या है?

- a) 1010 b) 1115 c) 1030 d) 1031

19. If $A = 1 - 10 + 3 - 12 + 5 - 14 + 7 \dots$ upto 60 terms, then what is the value of A?

यदि $A = 1 - 10 + 3 - 12 + 5 - 14 + 7 \dots$ 60 पदों तक हैं, तो A का मान क्या है?

- a) -360 b) -310 c) -240 d) -270

20. If $1 + \left(\frac{1}{2}\right) + \left(\frac{1}{3}\right) + \dots + \left(\frac{1}{20}\right) = k$, then what is the value of

$\left(\frac{1}{4}\right) + \left(\frac{1}{6}\right) + \left(\frac{1}{8}\right) + \dots + \left(\frac{1}{40}\right)$?

यदि $1 + \left(\frac{1}{2}\right) + \left(\frac{1}{3}\right) + \dots + \left(\frac{1}{20}\right) = k$ है, तो

$\left(\frac{1}{4}\right) + \left(\frac{1}{6}\right) + \left(\frac{1}{8}\right) + \dots + \left(\frac{1}{40}\right)$ का मान क्या है?

- a) $\frac{k}{2}$ b) 2k c) $\frac{(k-1)}{2}$ d) $\frac{(k+1)}{2}$

21. The value of $\frac{3}{70} + \frac{1}{42} + \frac{1}{66} + \frac{3}{286} + \frac{1}{130} + \frac{1}{170}$ is:

$\frac{3}{70} + \frac{1}{42} + \frac{1}{66} + \frac{3}{286} + \frac{1}{130} + \frac{1}{170}$ का मान कितना होगा?

- a) $\frac{7}{85}$ b) $\frac{11}{85}$ c) $\frac{9}{85}$ d) $\frac{3}{85}$

Exercise 4

1. If $\sqrt{1 + \frac{x}{9}} = \frac{13}{3}$, then the value of x is

अगर $\sqrt{1 + \frac{x}{9}} = \frac{13}{3}$ है तो x का मान पता करें:

- a) $\frac{1439}{9}$ b) 160
c) $\frac{1443}{9}$ d) 169

2. If $\sqrt{1 - \frac{x^3}{100}} = \frac{3}{5}$, then x equals to

अगर $\sqrt{1 - \frac{x^3}{100}} = \frac{3}{5}$ है तो x का मान:

- a) 2 b) 4 c) 16 d) $\sqrt[3]{136}$

3. What is the value of $\frac{5.6 \times 0.36 + 0.42 \times 3.2}{0.8 \times 2.1}$?

$\frac{5.6 \times 0.36 + 0.42 \times 3.2}{0.8 \times 2.1}$ का मान क्या है?

- a) 2 b) 1 c) 3 d) $\frac{3}{2}$

4. What is the value of $\frac{3.6 \times 1.62 + 0.48 \times 3.6}{1.8 \times 0.8 + 10.8 \times 0.3 - 2.16}$?

$\frac{3.6 \times 1.62 + 0.48 \times 3.6}{1.8 \times 0.8 + 10.8 \times 0.3 - 2.16}$ का मान क्या है?

- a) 2.4 b) 2 c) 4 d) 3

5. If $M = 0.1 + (0.1)^2 + (0.01)^2$ and $N = 0.3 + (0.3)^2 + (0.03)^2$, then what is the value of $M + N$?

यदि $M = 0.1 + (0.1)^2 + (0.01)^2$ and $N = 0.3 + (0.3)^2 + (0.03)^2$ हैं, तो $M + N$ का मान क्या है?

- a) 0.411009 b) 0.41313
c) 0.313131 d) None of these

6. What is the value of $\frac{1}{(0.1)^2} + \frac{1}{(0.01)^2} + \frac{1}{(0.5)^2} +$

$\frac{1}{(0.05)^2}$?

$\frac{1}{(0.1)^2} + \frac{1}{(0.01)^2} + \frac{1}{(0.5)^2} + \frac{1}{(0.05)^2}$ का मान क्या है?

- a) 10504 b) 10404 c) 10004 d) 11400

7. Which of the following statement(s) is/are TRUE?

Answer Key

1. D	2. C	3. A	4. C	5. B
6. A	7. B	8. C	9. D	10. B
11. A	12. C	13. B	14. B	15. C
16. C	17. C	18. C	19. D	20. C
21. C				



- The Best Paid courses in affordable price with QRPs (Only courses with QRPs)
- FREE structure PYQs (All previous year papers at one place in structure way)
- FREE VOCAB quizzes (Vocab BOOSTER to boost your vocab)
- FREE MOCK TESTs (Free full mock tests & sectional mock tests)
- FREE MONTHLY CURRENT AFFAIRS PDFs with quizzes (Quiz is the best format to remember any thing)



By Bhutesh Sir:
CAT Topper (98.74%ile)
3 times CGL selected

निम्नलिखित में से कौन सा/से कथन सत्य है/हैं?

I. $(\frac{0.03}{0.2}) + (\frac{0.003}{0.02}) + (\frac{0.0003}{0.002}) + (\frac{0.00003}{0.0002}) = 0.6$

II. $(0.01) + (0.01)^2 + (0.001)^2 =$

0.010101

- a) Only I
- b) Only II
- c) Neither I nor II
- d) Both I and II

यदि $(1 + \frac{1}{2}) (1 + \frac{1}{4}) (1 + \frac{1}{6}) (1 + \frac{1}{8})$

$(1 - \frac{1}{3}) (1 - \frac{1}{5}) (1 - \frac{1}{7}) = 1 + \frac{1}{x}$ हो, तो x

का मान क्या है?

- a) 6
- b) 8
- c) 5
- d) 7

14. Find the sum of:

जोड़फल पता करें:

$(1 - \frac{1}{n+1}) + (1 - \frac{2}{n+1}) + (1 - \frac{3}{n+1}) + \dots + (1 - \frac{n}{n+1})$

- a) n
- b) $\frac{1}{2}n$
- c) (n+1)
- d) $\frac{1}{2}(n+1)$

8. $1 + \frac{1}{2} + \frac{1}{4} + \frac{1}{7} + \frac{1}{14} + \frac{1}{28}$ is equal to:

- a) 2
- b) 2.5
- c) 3
- d) 3.5

9. The simplified value of

$(1 - \frac{1}{3}) (1 - \frac{1}{4}) (1 - \frac{1}{5}) \dots (1 - \frac{1}{99}) (1 - \frac{1}{100})$ is

- a) $\frac{2}{99}$
- b) $\frac{1}{25}$
- c) $\frac{1}{50}$
- d) $\frac{1}{100}$

10. The value of

$(1 + \frac{1}{2}) (1 + \frac{1}{3}) (1 + \frac{1}{4}) \dots (1 + \frac{1}{120})$ is

- a) 30
- b) 40.5
- c) 60.5
- d) 121

11. Which of the following statement(s) is/ are TRUE?

निम्नलिखित में से कौन सा/से कथन सत्य है/हैं?

I. $(1 + \frac{1}{2}) (1 + \frac{1}{3}) (1 + \frac{1}{4}) \dots (1 + \frac{1}{998}) > 497$

II. $14 \frac{3}{4} + 5 \frac{1}{4} - 2 \frac{1}{2} > 11 \frac{1}{8} + 12 \frac{3}{8} - 7 \frac{1}{4}$

- a) Only I
- b) Only II
- c) Neither I nor II
- d) Both I and II

12. The value of $(1 + \frac{1}{x}) (1 + \frac{1}{x+1}) (1 + \frac{1}{x+2}) (1 + \frac{1}{x+3})$ is

- a) $1 + \frac{1}{x+4}$
- b) $x + 4$
- c) $\frac{1}{x}$
- d) $\frac{x+4}{x}$

13. If $(1 + \frac{1}{2}) (1 + \frac{1}{4}) (1 + \frac{1}{6}) (1 + \frac{1}{8}) (1 - \frac{1}{3}) (1 - \frac{1}{5}) (1 - \frac{1}{7}) = 1 + \frac{1}{x}$, then the value of x?

15. If $f(X) = \frac{1}{X} - \frac{1}{X+1}$, then what is the value of

$f(1) + f(2) + f(3) + \dots + f(10)$?

यदि $f(X) = \frac{1}{X} - \frac{1}{X+1}$ है, तो

$f(1) + f(2) + f(3) + \dots + f(10)$ का मान

क्या है?

- a) $\frac{9}{10}$
- b) $\frac{10}{11}$
- c) $\frac{11}{12}$
- d) $\frac{12}{13}$

16. The value of $999 \frac{995}{999} \times 999$ is

- a) 990809
- b) 998996
- c) 999824
- d) 998999

17. What is the value of $\frac{5 - \frac{5}{11} \text{ of } [\frac{3}{7} + \frac{8}{12} \div \frac{6}{24} + \frac{5}{7}]}{\frac{3}{12} \times \frac{6}{5}}$?

$\frac{5 - \frac{5}{11} \text{ of } [\frac{3}{7} + \frac{8}{12} \div \frac{6}{24} + \frac{5}{7}]}{\frac{3}{12} \times \frac{6}{5}}$ का मान ज्ञात कीजिए।

- a) $\frac{-1891}{691}$
- b) $\frac{2075}{693}$
- c) $\frac{-1894}{891}$
- d) $\frac{-2075}{693}$

18. What is the value of $\frac{5 - \frac{7}{11} \times \frac{33}{28} + \frac{5}{12} \times \frac{2}{3} \div \frac{25}{27}}{\frac{6}{11} \times \frac{5}{12} \div \frac{15}{44}}$?

$\frac{5 - \frac{7}{11} \times \frac{33}{28} + \frac{5}{12} \times \frac{2}{3} \div \frac{25}{27}}{\frac{6}{11} \times \frac{5}{12} \div \frac{15}{44}}$ का मान ज्ञात कीजिए।

- a) $\frac{9670}{1866}$
- b) $\frac{8408}{1955}$
- c) $\frac{6507}{1960}$
- d) $\frac{9567}{1860}$

19. Select the number that will come in place of the question mark (?) In the following mathematical statement.



By Bhutesh Sir;
CAT Topper (98.74%ile)
3 times CGL selected

SUBSCRIBE "e1 coaching center" on YouTube & get:

- Best content for SSC CGL, CHSL, CPO, MTS, CDS, Railway
- Latest Exams questions solutions
- Best series for All competitive Exams
- SSC CGL Tier 2 (2011 to 2021) All ques Chapter wise with pdf

SCAN THE QR CODE



निम्न समीकरण में प्रश्न चिह्न (?) के स्थान पर कौन-सी संख्या आ सकती है?

$$(9^2 \times 27 + 3^3 \times 7 + ?)^{\frac{1}{2}} = 59$$

- a) 1087 b) 1105 c) 1111 d) 1090

20. What is the Value of $\left[\left(\frac{5}{7} \text{ of } \frac{1}{12} \times \frac{1}{4} - \frac{1}{2} \times \frac{1}{8} \right) + \frac{5}{4} \times \frac{8}{15} - \frac{2}{3} \right]^{\frac{1}{\frac{1}{2} \div \frac{1}{4} + \frac{1}{2}}}$?

$\left[\left(\frac{5}{7} \text{ of } \frac{1}{12} \times \frac{1}{4} - \frac{1}{2} \times \frac{1}{8} \right) + \frac{5}{4} \times \frac{8}{15} - \frac{2}{3} \right]^{\frac{1}{\frac{1}{2} \div \frac{1}{4} + \frac{1}{2}}}$ का मान कितना होगा?

- a) $\frac{-5}{108}$ b) $\frac{-4}{103}$ c) $\frac{-4}{105}$ d) $\frac{-2}{105}$

21. The value of $\frac{2}{3}$ of $\frac{5}{8}$ of 276 - $\sqrt{7056}$ is:

$\frac{2}{3}$ of $\frac{5}{8}$ of 276 - $\sqrt{7056}$ का मान ज्ञात कीजिए।

- a) 36 b) 31 c) 33 d) 29

22. What is the value of $\frac{5}{11}$ of $\frac{3}{7} + \frac{7}{11} \times \frac{55}{21} - \frac{8}{22} \div \frac{16}{33}$?

$\frac{5}{11}$ of $\frac{3}{7} + \frac{7}{11} \times \frac{55}{21} - \frac{8}{22} \div \frac{16}{33}$ का मान क्या होगा?

- a) $\frac{1088}{927}$ b) $\frac{1027}{924}$ c) $\frac{1811}{956}$ d) $\frac{1029}{945}$

23. The value of $\left(2\frac{6}{7} \text{ of } 4\frac{1}{5} \div \frac{2}{3} \right) \times 5\frac{1}{9} \div \left(\frac{3}{4} \times 2\frac{2}{3} \text{ of } \frac{1}{2} \div \frac{1}{4} \right)$ is:

$\left(2\frac{6}{7} \text{ of } 4\frac{1}{5} \div \frac{2}{3} \right) \times 5\frac{1}{9} \div \left(\frac{3}{4} \times 2\frac{2}{3} \text{ of } \frac{1}{2} \div \frac{1}{4} \right)$ का मान ज्ञात करें।

- a) 23 b) 19 c) 25 d) 21

24. Simplify

सरलीकरण करे:

$$3p - [3p - \overline{p + q} - \{3p - (p - \overline{q - p})\}]$$

- a) $2p + 2q$ b) $p + 2q$
c) $3p + 2q$ d) $3p - q$

25. Find the value of z in $(z \times 21\% \text{ of } 210) \div (17\% \text{ of } 170) = 3050 \div z$

$(z \times 21\% \text{ of } 210) \div (17\% \text{ of } 170) = 3050 \div z$ में z का मान ज्ञात कीजिए।

- a) 18.4 b) 44.7 c) 22.1 d) 33.1

26. Solve the following $[25^2 + 8 \div 2^3 - \{16 + (28 \text{ of } 7 \div 2^2) - (18^2 \div 12^2 \text{ of } \frac{1}{8})\}]$

निम्नलिखित को हल कीजिए।

$$[25^2 + 8 \div 2^3 - \{16 + (28 \text{ of } 7 \div 2^2) - (18^2 \div 12^2 \text{ of } \frac{1}{8})\}]$$

- a) 626 b) 529 c) 721 d) 579

27. If $9 \times 4 \text{ of } 3 \div 2 - 5 \times Q + 2 \times 3 = 10$, then find the value of Q.

यदि $9 \times 4 \text{ of } 3 \div 2 - 5 \times Q + 2 \times 3 = 10$ है, तो Q का मान ज्ञात कीजिए।

- a) 10 b) 5 c) 0.1 d) 0.2

28. What is the simplified value of the following?

$$\frac{9 \div \frac{3}{7} \text{ of } (9 + 6 \times \overline{4 - 2}) + \left[\frac{1}{5} \div \frac{7}{25} - \left\{ \frac{5}{8} + \frac{6}{16} \right\} \right]}{24 \div \overline{16 - 10} + 36 \div (5 + 20 \div 4 - 1)}$$

निम्नलिखित का सरलीकृत मान क्या है?

$$\frac{9 \div \frac{3}{7} \text{ of } (9 + 6 \times \overline{4 - 2}) + \left[\frac{1}{5} \div \frac{7}{25} - \left\{ \frac{5}{8} + \frac{6}{16} \right\} \right]}{24 \div \overline{16 - 10} + 36 \div (5 + 20 \div 4 - 1)}$$

- a) $\frac{40}{7}$ b) $\frac{5}{56}$ c) $\frac{7}{40}$ d) $\frac{51}{56}$

29. Simplify the following expression.

$$9\frac{1}{5} \div \left\{ \left(16\frac{1}{5} \div \overline{12\frac{2}{3} - 9\frac{2}{3}} \right) + 17\frac{1}{2} \text{ of } 3\frac{1}{21} \right\}$$

निम्नलिखित व्यंजक का ज्ञात कीजिए:

$$9\frac{1}{5} \div \left\{ \left(16\frac{1}{5} \div \overline{12\frac{2}{3} - 9\frac{2}{3}} \right) + 17\frac{1}{2} \text{ of } 3\frac{1}{21} \right\}$$

- a) $\frac{139}{881}$ b) $\frac{137}{881}$ c) $\frac{140}{881}$ d) $\frac{138}{881}$

30. If $\left[3\frac{6}{7} \div \frac{54}{7} - \left\{ 3 - \left(2\frac{3}{4} - \frac{3}{2} \right) \right\} \right] + A \div 4 = 0$, Then what is the value of A ?

यदि $\left[3\frac{6}{7} \div \frac{54}{7} - \left\{ 3 - \left(2\frac{3}{4} - \frac{3}{2} \right) \right\} \right] + A \div 4 = 0$, तो A का मान क्या होगा?

- a) 6 b) 5 c) 4 d) 9

31. what is value of $12 - 8 \div 2 - \{16 \text{ of } -2 + 3 \times 5 - 4\}$?

$12 - 8 \div 2 - \{16 \text{ of } -2 + 3 \times 5 - 4\}$ का मान क्या है?



By Bhutesh Sir:
CAT Topper (98.74%ile)
3 times CGL selected

- The Best Paid courses in affordable price with QRPs (Only courses with QRPs)
- FREE structure PYQs (All previous year papers at one place in structure way)
- FREE VOCAB quizzes (Vocab BOOSTER to boost your vocab)
- FREE MOCK TESTs (Free full mock tests & sectional mock tests)
- FREE MONTHLY CURRENT AFFAIRS PDFs with quizzes (Quiz is the best format to remember any thing)



- a) 0 b) 1 c) 29 d) 45

32. What is the value of $\frac{0.6 \times 0.6 \div 0.3 + 0.2 \times 0.3 - 0.6}{0.1 \times 0.2 \div 0.4}$?

$\frac{0.6 \times 0.6 \div 0.3 + 0.2 \times 0.3 - 0.6}{0.1 \times 0.2 \div 0.4}$ का मान कितना है?

- a) 15.2 b) 14.6 c) 13.2 d) 12.5

33. What is the value of $\frac{7}{8} + \frac{8}{11}$ of $\left[\frac{33}{16} - \frac{5}{12} + \left(\frac{6}{11} - \frac{5}{12} + \frac{7}{22} \right) \right]$?

$\frac{7}{8} + \frac{8}{11}$ of $\left[\frac{33}{16} - \frac{5}{12} + \left(\frac{6}{11} - \frac{5}{12} + \frac{7}{22} \right) \right]$ का मान ज्ञात कीजिए।

- a) $\frac{6871}{3605}$ b) $\frac{6805}{2987}$ c) $\frac{6907}{3971}$ d) $\frac{6961}{2904}$

34. What should come in place of the question mark (?) in the following equation?

$$(?)^2 + ? + 12^3 = 13^2 + 22^2 + 2715$$

निम्नलिखित समीकरण में प्रश्न चिह्न (?) के

स्थान पर क्या आना चाहिए?

$$(?)^2 + ? + 12^3 = 13^2 + 22^2 + 2715$$

- a) 38 b) 40 c) 34 d) 50

35. Select the number that will come in place of the question mark (?) in the following mathematical statement.

$$49 \times 57 - 41 \times 18 = (?)^2 \times 3 + 1380$$

निम्न समीकरण में प्रश्न चिह्न के स्थान पर

कौन-सी संख्या आ सकती है?

$$49 \times 57 - 41 \times 18 = (?)^2 \times 3 + 1380, (?)$$

- a) 15 b) 21 c) 3 d) 7

36. Simplify $\left[7\frac{1}{2} \div \left\{ 1\frac{1}{4} - \frac{1}{2} \left(2\frac{1}{2} - \frac{1}{4} - \frac{1}{6} \right) \right\} \right] \div$

$\left(\frac{1}{2} \text{ of } 8\frac{1}{3} \right)$.

$\left[7\frac{1}{2} \div \left\{ 1\frac{1}{4} - \frac{1}{2} \left(2\frac{1}{2} - \frac{1}{4} - \frac{1}{6} \right) \right\} \right] \div \left(\frac{1}{2} \text{ of } 8\frac{1}{3} \right)$ का

मान ज्ञात कीजिए।

- a) 36 b) 43.2 c) 23.6 d) 4.26

37. The value of $1 \div [1 + 1 \div \{1 + 1 \div (1 + 1 \div 2)\}]$ is

- a) 1 b) $\frac{5}{8}$ c) 2 d) $\frac{1}{2}$

Answer Key

1. B	2. B	3. A	4. D	5. D
6. A	7. D	8. A	9. C	10. C
11. D	12. D	13. B	14. B	15. B
16. B	17. D	18. C	19. B	20. D
21. B	22. B	23. A	24. A	25. B
26. D	27. A	28. B	29. D	30. B
31. C	32. C	33. D	34. B	35. A
36. B	37. B			