SIMPLIFICATION

सरलीकरण

PRACTISE SHEET

UPDATED

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Rankers Gurukul

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MATHS EXPERT

SIMPLIFICATION
(CLASSROOM SHEET)

1. The value of $2 \times 3 \div 2$ of $3 \times 2 \div (4 + 4 \times 4 \div 4$ of $4 - 4 \div 4 \times 4)$ is

SSC CGL 4 June 2019 (Morning)

(a) 8 (b) 1
(c) 4 (d) 2

2. The value of $2\frac{7}{8} \div \left(3\frac{5}{6} \div \frac{2}{7}\text{ of }2\frac{1}{3}\right) \times \left[\left(2\frac{6}{7}\text{ of }4\frac{1}{5} \div \frac{2}{3}\right) \times \frac{5}{9}\right]$ is :

SSC CGL 4 June 2019 (Evening)

(a) $\frac{1}{4}$ (b) 4
(c) $\frac{1}{23}$ (d) 5

3. The value of $(5 + 3 \div 5 \times 5)/(3 \div 3$ of $6)$ of $(4 \times 4 \div 4$ of $4 + 4 \div 4 \times 4)$ is :

SSC CGL 4 June 2019 (Morning)

(a) $8\frac{1}{5}$ (b) $7\frac{1}{3}$
(c) $9\frac{2}{5}$ (d) $6\frac{2}{3}$

4. The simplified value of $\left(\frac{1.0025 + 6.25 \times 10^{-6}}{0.0025 + 0.95}\right)$ is :

SSC CGL 9 June 2019 (Evening)

(a) 1.0025 (b) 1.0525
(c) 1.0005 (d) 1.0505

5. The value of $5 \div 5$ of $5 \times 2 + 2 \div 2$ of $2 \times 5 - (5 - 2) \div 6 \times 2$ is :

SSC CGL 4 June 2019 (Afternoon)

(a) $\frac{9}{5}$ (b) $\frac{19}{10}$
(c) 19 (d) $\frac{23}{2}$

6. The value of $\frac{9}{15}$ of $\left(\frac{2}{3} \div \frac{2}{3}\text{of}\frac{3}{2}\right) \div \left(\frac{3}{4} \times \frac{3}{4} \div \frac{3}{4}\text{of}\frac{4}{3}\right)$ of $\left(\frac{5}{4} \div \frac{5}{2} \times \frac{2}{3}\text{of}\frac{4}{5}\right)$ is :

SSC CGL 6 June 2019 (Afternoon)

(a) $\frac{20}{9}$ (b) $\frac{4}{25}$
(c) $\frac{18}{125}$ (d) $\frac{40}{9}$

7. The value of $16 \div 4$ of $4 \times [3 \div 4$ of $\{4 \times 3 \div (3 + 3)\}] \div (2 \div 4$ of $8)$ is :

SSC CGL 6 June 2019 (Morning)

(a) 6 (b) 9
(c) 48 (d) 19

8. The value of $\frac{8}{9}$ of $\left(5\frac{1}{4} \div 2\frac{1}{3}\text{of }4\right) \div \left(8 \div \frac{2}{3}\text{of}\frac{4}{5}\right)$ of $\left(8 \times \frac{2}{3} \div \frac{4}{5}\right)$ is :

SSC CGL 7 June 2019 (Morning)

(a) $1\frac{1}{8}$ (b) $\frac{4}{15}$
(c) $\frac{1}{200}$ (d) $\frac{1}{100}$

9. The value of 4.5 – (3.2 ÷ 0.8 × 5) + 3 × 4 ÷ 6 is

SSC CGL 10 June 2019 (Afternoon)

(a) – 13.5 (b) 4.2
(c) – 8.5 (d) 5.7

10. What is the simplified value of 5 ÷ 10 of 10 × 4 + 4 ÷ 4 of 4 × 10 – (10 – 4) ÷ 16 × 4?

SSC CHSL 3 July 2019 (Evening)

(a) 1.2 (b) 2.5
(c) 2.1 (d) 58.5

11. The simplified value of

$$\frac{\left(3\frac{1}{5}-\frac{3}{5}\right)\div\frac{8}{5}}{1\frac{1}{7}\div\left\{\frac{6}{7}-\left(\frac{1}{7}\div\frac{1}{5}\right)\right\}}$$ is :

SSC CHSL 5 July 2019 (Afternoon)

(a) $\frac{13}{64}$ (b) $\frac{13}{16}$
(c) $\frac{13}{8}$ (d) $\frac{13}{7}$

12. $\frac{5.75\times5.75\times5.75+3.25\times3.25\times3.25}{57.5\times57.5+32.5\times32.5-57.5\times32.5}$ is equal to :

SSC CPO 12 March 2019 (Evening)

(a) 0.009 (b) 0.0009
(c) 0.9 (d) 0.09

13. Find the value of $\sqrt{4+\sqrt{144}}$

SSC CPO 14 March 2019 (Evening)

(a) 14 (b) 12.17
(c) 4 (d) 3.74

14. The value of $7\frac{1}{2}\times\left(3\frac{1}{5}\div4\frac{1}{2}\text{ of }5\frac{1}{3}\right)+\left[11-\left(\frac{5}{8}+3-1\frac{1}{4}\right)\right]\div5\frac{3}{4}-5\div5\times5$ of $5\div25$ is :

SSC CGL 7 June 2019 (Afternoon)

(a) $\frac{1}{2}$ (b) $\frac{1}{10}$
(c) $\frac{3}{10}$ (d) $1\frac{1}{2}$

15. The value of 6 – 6 ÷ 6 × 6 + (6 ÷ 6 of 6) × 6 – $\left(3\frac{2}{3}\div\frac{11}{30}\text{ of }\frac{2}{3}\right)$ ÷ 5 is :

SSC CGL 7 June 2019 (Evening)

(a) 0 (b) 2
(c) – 1 (d) – 2

16. The value of $\frac{3}{4}\times2\frac{2}{3}\div\frac{5}{9}\text{ of }1\frac{1}{5}+\frac{2}{23}\times3\frac{5}{6}\div\frac{2}{7}\text{ of }2\frac{1}{3}$ is :

SSC CGL 10 June 2019 (Morning)

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

17. The value of 3.8 – (4.2 ÷ 0.7 × 3) + 5 × 2 ÷ 0.5 is :

SSC CGL 10 June 2019 (Evening)

(a) 5.8 (b) 18.4
(c) 21.8 (d) 15.6

18. The value of 2.8 + (5.2 ÷ 1.3 × 2) – 6 × 3 ÷ 8 + 2

SSC CGL 4 June 2019 (Morning)

(a) 6.45 (b) 4.55
(c) 8.45 (d) 10.55

19. The value of 7.2 + (8.4 ÷ 0.12 × 0.2) – 5 × 3 ÷ 0.05 + 3

SSC CGL 11 June 2019 (Morning)

(a) – 75.8 (b) – 275.8
(c) 21.2 (d) – 175.8

20. The value of 5.8 + (7.4 ÷ 3.7 × 5) – 6 × 2 ÷ 2.5

SSC CGL 11 June 2019 (Evening)

(a) 12 (b) 11
(c) 10 (d) 9

21. The value of 3.8 + (8.2 ÷ 4.1 × 2) – 4 × 3 ÷ 1.2

SSC CGL 12 June 2019 (Morning)

(a) 2.2 (b) – 1.2
(c) 1.2 (d) – 2.2

22. The value of $7.5 + (5.4 \div 4.5 \times 2) - 8 \times 4 \div 3.2$

SSC CGL 12 June 2019 (Afternoon)

(a) 0.1 (b) – 0.1

(c) – 0.2 (d) 0.2

23. The value of $108 \div 36 \times 4 + 2.5 \times 4 \div 0.5 - 10$

SSC CGL 12 June 2019 (Evening)

(a) 18 (b) 16

(c) 22 (d) 20

24. $21.6 \div 3.6 \times 2 + 0.25 \times 16 \div 4 - 6$ is equal to :

SSC CGL 13 June 2019 (Morning)

(a) 6 (b) 5

(c) 8 (d) 7

25. $15.2 + 5.8 \div 2.9 \times 2 - 3.5 \times 2 \div 0.5 \times 4 \div 0.5 - 10$ is equal to

SSC CGL 13 June 2019 (Afternoon)

(a) 4.8 (b) 3.2

(c) 5.2 (d) 5.4

26. $9\frac{3}{4} \div \left[2\frac{1}{6} \div \left\{4\frac{1}{3} - \left(2\frac{1}{2} + \frac{3}{4}\right)\right\}\right]$ is equal to :

SSC CGL 13 June 2019 (Evening)

(a) $\frac{15}{4}$ (b) 3

(c) $\frac{39}{8}$ (d) 4

27. The value of $\frac{3}{4} \div \frac{3}{4}$ of $\frac{3}{4} \times \frac{4}{3} + \frac{5}{2} \div \frac{2}{5}$ of $\frac{5}{4} - \left(\frac{2}{3} + \frac{2}{3}\text{ of }\frac{5}{6}\right)$ is :

SSC CHSL 1 July 2019 (Evening)

(a) $\frac{14}{3}$ (b) $\frac{41}{9}$

(c) $\frac{22}{3}$ (d) $\frac{50}{9}$

28. The value of $\frac{3 \div \{5 - 5 \div (6 - 7) \times 8 + 9\}}{4 + 4 \times 4 \div 4 \text{ of } 4}$ is :

SSC CHSL 2 July 2019 (Morning)

(a) $\frac{1}{45}$ (b) $\frac{1}{18}$

(c) $\frac{1}{90}$ (d) $\frac{1}{3}$

29. The value of $3 \times 2 \div 3$ of $12 - 3 \div 2 \times (2 - 3) \times 2 + 3 \div 2$ of 3 is :

SSC CHSL 2 July 2019 (Morning)

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

(c) $-3\frac{2}{3}$ (d) $3\frac{2}{3}$

30. The simplified value of $3 \times 2 \div 3$ of $2 \times 3 \div (5 + 5 \times 5 \div 5$ of $5 - 5 \div 10$ of $\frac{1}{5})$ is :

SSC CHSL 3 July 2019 (Afternoon)

(a) $\frac{6}{7}$ (b) $\frac{17}{5}$

(c) $\frac{2}{3}$ (d) $\frac{30}{59}$

31. The simplified value of $\left(\frac{7}{5} + \frac{7}{10}\text{of}\frac{3}{4}\right) \div \frac{4}{9} - \left(\frac{7}{16} \div 10\frac{1}{2} \times 7\frac{1}{5}\right) \times \frac{5}{12}$ is :

SSC CHSL 3 July 2019 (Afternoon)

(a) $\frac{47}{8}$ (b) $\frac{39}{4}$

(c) $\frac{49}{8}$ (d) $\frac{41}{4}$

32. The simplified value of $3 \times 6 \div 4$ of $6 - 6 \div 2 \times (4 - 6) + 4 - 2 \times 3 \div 6$ of $\frac{1}{3}$ is :

SSC CHSL 4 July 2019 (Morning)

(a) $1\frac{3}{4}$ (b) $7\frac{3}{4}$

(c) $13\frac{3}{4}$ (d) $8\frac{1}{3}$

33. The simplified value of 15 of 8 – 6 + [(27 – 3)÷ 6 – 4] is :

SSC CHSL 4 July 2019 (Afternoon)

(a) 114 (b) 120

(c) 124 (d) 116

34. The simplified value of 15 of 8 + 6 + [(27 – 3) ÷ 6 + 4] is :

SSC CHSL 5 July 2019 (Morning)

(a) 128 (b) 134

(c) 130 (d) 136

35. The simplified value of

$$\frac{\left(3\frac{1}{5}+\frac{3}{5}\right)\div\frac{8}{5}}{1\frac{1}{7}\div\left\{\frac{6}{7}-\left(\frac{1}{7}\div\frac{1}{5}\right)\right\}}$$ is :

SSC CHSL 5 July 2019 (Evening)

(a) $\frac{19}{7}$ (b) $\frac{19}{8}$

(c) $\frac{19}{16}$ (d) $\frac{19}{64}$

36. The value of $\frac{\left(3\frac{1}{5}+\frac{3}{5}\right)\div\frac{8}{5}}{1\frac{1}{7}\div\left\{\frac{5}{7}+\left(\frac{1}{7}\div\frac{1}{3}\right)\right\}}$ is

SSC CHSL 8 July 2019 (Morning)

(a) $\frac{19}{8}$ (b) $\frac{19}{16}$

(c) $\frac{19}{64}$ (d) $\frac{19}{7}$

37. The value of $\frac{\left(3\frac{1}{5}+\frac{3}{5}\right)\div\frac{8}{5}}{1\frac{1}{8}\div\left\{\frac{5}{8}+\left(\frac{1}{8}\div\frac{1}{3}\right)\right\}}$ is

SSC CHSL 8 July 2019 (Afternoon)

(a) $\frac{19}{16}$ (b) $\frac{19}{7}$

(c) $\frac{19}{9}$ (d) $\frac{19}{64}$

38. The simplified value of

$$\frac{46-\frac{3}{4}\text{ of }32-6}{37-\frac{3}{4}\text{ of }(34-6)}$$ is :

SSC CHSL 8 July 2019 (Evening)

(a) 2 (b) $\frac{19}{16}$

(c) $\frac{19}{64}$ (d) 1

39. The simplified value of

$$\frac{46-\frac{3}{4}\text{ of }32-6}{11+\frac{3}{4}\text{ of }(34-6)}$$ is :

SSC CHSL 9 July 2019 (Morning)

(a) $\frac{1}{7}$ (b) 1

(c) $\frac{1}{4}$ (d) $\frac{1}{2}$

40. The simplified value of

$$\frac{46+\frac{3}{4}\text{ of }32-6}{11+\frac{3}{4}\text{ of }(34-6)}$$ is :

SSC CHSL 9 July 2019 (Afternoon)

(a) 1 (b) $\frac{1}{4}$

(c) 2 (d) $\frac{1}{2}$

41. The simplified value of $2\frac{1}{3}$ of $\left(\frac{3}{5}\div\frac{2}{9}\right)-\left(4\frac{2}{5}+\frac{19}{20}\div\frac{1}{2}\right)$ is :

SSC CHSL 9 July 2019 (Evening)

(a) 0 (b) $\frac{1}{4}$

(c) $\frac{1}{2}$ (d) 1

42. The simplified value of $\left[1\frac{1}{5}\text{ of }\left\{\frac{3}{7}-\left(1\frac{4}{15}-\frac{13}{15}\right)\times\frac{5}{7}\right\}\right]\div\left(\frac{6}{7}\div5\right)$ is :

SSC CHSL 10 July 2019 (Morning)

(a) $\frac{2}{15}$ (b) $\frac{1}{3}$

(c) 1 (d) $\frac{4}{15}$

43. The simplified value of $\frac{1}{2}$ of $\frac{8}{5} \div \left\{2\frac{1}{5} - \left(\frac{5}{16} + \frac{3}{5} \times 1\frac{7}{8} \div \frac{2}{3}\right)\right\}$ is :

SSC CHSL 10 July 2019 (Afternoon)

(a) 1 (b) $\frac{2}{5}$

(c) $\frac{1}{5}$ (d) 4

44. The simplified value of $\frac{0.01404}{24^2 + 6^2 - 144}$ is :

SSC CHSL 10 July 2019 (Evening)

(a) 3×10^{-5} (b) 6×10^{-5}

(c) 2.4×10^{-4} (d) 3×10^{-4}

45. The simplified value of $\left\{1\frac{1}{4} \text{ of } \left(2\frac{1}{3} \div 1\frac{2}{5}\right) - 1\frac{5}{12}\right\} + \frac{1}{2} \div 2\frac{1}{3} + \frac{2}{7} + \frac{1}{6}$ is :

SSC CHSL 11 July 2019 (Morning)

(a) $\frac{7}{3}$ (b) $\frac{3}{2}$

(c) $\frac{7}{6}$ (d) 1

46. The value of $\frac{18.43 \times 18.43 - 6.57 \times 6.57}{11.86}$ is :

SSC CHSL 11 July 2019 (Morning)

(a) 23.62 (b) 25

(c) 26 (d) 24.12

47. The simplified value of :

$\frac{2}{3} \div \left\{\frac{3}{7} \text{ of } \frac{14}{5} \times 1\frac{2}{3} - \left(3\frac{1}{2} - 2\frac{1}{6}\right)\right\}$ is :

SSC CHSL 11 July 2019 (Afternoon)

(a) $\frac{1}{3}$ (b) 1

(c) 2 (d) $\frac{2}{3}$

48. The simplified value of 20 – [2.8 × 5 ÷ 0.7 – 3 ÷ 0.9 × 1.5 + 2] is equal to :

SSC CHSL 11 July 2019 (Evening)

(a) 3 (b) 3.4

(c) 3.8 (d) 3.6

49. (24 ÷ 6 – 2) + (3 + 2 + 4) is equal to :

SSC CPO 16 March 2019 (Morning)

(a) 24 (b) 16

(c) 20 (d) 12

50. $\frac{14 - 6 \times 2}{15 \div 3 + 3}$ is equal to :

SSC CPO 16 March 2019 (Morning)

(a) $6\frac{2}{5}$ (b) $\frac{1}{4}$

(c) $\frac{4}{5}$ (d) 2

51. $5\frac{5}{6} + \left[2\frac{2}{3} - \left\{3\frac{3}{4}\left(3\frac{4}{5} \div 9\frac{1}{2}\right)\right\}\right]$ is equal to :

SSC CPO 12 March 2019 (Evening)

(a) $\frac{44}{7}$ (b) 7

(c) $\frac{43}{6}$ (d) $\frac{22}{3}$

52. The value of

$3\frac{1}{5} - \left[2\frac{1}{2} - \left\{\frac{5}{6} - \left(\frac{2}{5} + \frac{3}{10} - \frac{4}{15}\right)\right\}\right]$ is :

SSC CPO 12 March 2019 (Evening)

(a) $\frac{6}{5}$ (b) $\frac{9}{10}$

(c) $\frac{11}{10}$ (d) $\frac{13}{5}$

53. $\frac{63.5 \times 63.5 \times 63.5 + 36.5 \times 36.5 \times 36.5}{6.35 \times 6.35 + 3.65 \times 3.65 - 6.35 \times 3.65}$ is :

SSC CPO 13 March 2019 (Evening)

(a) 10,000 (b) 1,00,000

(c) 100 (d) 1,000

54. The value of $6\frac{1}{5} - \left[4\frac{1}{2} - \left\{\frac{5}{6} - \left(\frac{3}{5} + \frac{3}{10} - \frac{7}{15}\right)\right\}\right]$ is

SSC CPO 13 March 2019 (Evening)

(a) 2.5 (b) 1.8
(c) 2.1 (d) 2.8

55. $\frac{17}{30} + \left[3\frac{1}{5} - \left\{\frac{5}{6} - \left(3\frac{4}{5} \div 9\frac{1}{2}\right)\right\}\right]$ is equal to :

SSC CPO 13 March 2019 (Evening)

(a) $\frac{3}{5}$ (b) $\frac{1}{5}$
(c) $\frac{11}{3}$ (d) $\frac{10}{3}$

56. $\frac{675 \times 675 \times 675 + 325 \times 325 \times 325}{67.5 \times 67.5 + 32.5 \times 32.5 - 67.5 \times 32.5}$ is equal to :

SSC CPO 12 March 2019 (Morning)

(a) 100 (b) 10,000
(c) 1,000 (d) 1,00,000

57. $9\frac{3}{4} \div \left[2\frac{1}{6} + \left\{4\frac{1}{3} - \left(2\frac{1}{2} + \frac{3}{4}\right)\right\}\right]$ is equal to :

SSC CPO 12 March 2019 (Morning)

(a) 3 (b) $\frac{15}{4}$
(c) 4 (d) $\frac{17}{4}$

58. $4\frac{4}{5} \div \frac{3}{7}$ of $7 + \frac{4}{5} \times \frac{3}{10} - \frac{1}{5}$ is equal to :

SSC CPO 12 March 2019 (Morning)

(a) $\frac{7}{5}$ (b) $\frac{8}{5}$
(c) $\frac{14}{25}$ (d) $\frac{41}{25}$

59. $\frac{6.75 \times 6.75 \times 6.75 + 4.25 \times 4.25 \times 4.25}{67.5 \times 67.5 + 42.5 \times 42.5 + 67.5 \times 42.5}$ is equal to :

SSC CPO 13 March 2019 (Morning)

(a) 2.5 (b) 0.25
(c) 0.0025 (d) 0.025

60. $5\frac{1}{5} - \left[3\frac{1}{2} - \left\{\frac{5}{6} - \left(\frac{3}{5} + \frac{1}{10} - \frac{4}{15}\right)\right\}\right]$ is equal to :

SSC CPO 13 March 2019 (Morning)

(a) $\frac{21}{10}$ (b) $\frac{7}{5}$
(c) $\frac{7}{3}$ (d) $\frac{8}{3}$

61. The value of $3\frac{5}{6} + \left[3\frac{2}{3} - \left\{\frac{15}{4}\left(5\frac{4}{5} \div 14\frac{1}{2}\right)\right\}\right]$ is :

SSC CPO 13 March 2019 (Morning)

(a) $\frac{37}{6}$ (b) $\frac{35}{6}$
(c) 6 (d) $\frac{19}{3}$

62. The value of $3 \times 3 - [6 - \{12 + 15 \div (7 - 2)]$ is equal to :

SSC CPO 14 March 2019 (Morning)

(a) – 15 (b) 18
(c) 0 (d) 15

63. The value of $\frac{1}{3} \div \frac{5}{6} \times \frac{-5}{8}$ is equal to:

SSC CPO 14 March 2019 (Morning)

(a) 1 (b) $\frac{1}{4}$
(c) $-\frac{1}{4}$ (d) 0

64. $3 \times 7 + 4 - 6 \div 3 - 7 + 45 \div 5 \times 4 + 49$ is equal to :

SSC CPO 16 March 2019 (Evening)

(a) 99 (b) 101
(c) 103 (d) 67

65. $(8 + 4 - 2) \times (17 - 12) \times 10 - 89$ is equal to :

SSC CPO 16 March 2019 (Evening)

(a) 413 (b) 411
(c) 4120 (d) 4150

66. $\frac{0.72 \times 0.72 \times 0.72 - 0.39 \times 0.39 \times 0.39}{0.72 \times 0.72 + 0.72 \times 0.39 + 0.39 \times 0.39}$ is equal to :

SSC CPO 16 March 2019 (Evening)

(a) 0.39 (b) 0.36
(c) 0.33 (d) 0.45

67. $(-4) \times (-8) \div (-2) + 3 \times 5$ is equal to:

SSC CPO 15 March 2019 (Morning)

(a) – 1 (b) 1

(c) 31 (d) – 31

68. $\frac{3}{4}+\frac{5}{2}\left[\frac{1}{4}\times\left(\frac{8}{5}-\frac{4}{3}\right)\right]$ is equal to :

SSC CPO 15 March 2019 (Morning)

(a) $\frac{11}{24}$ (b) $\frac{3}{4}$

(c) $\frac{1}{4}$ (d) $\frac{11}{12}$

69. $15 - \{5 + 24 \div (3 \times 9 - 15)\}$ is equal to :

SSC CPO 16 March 2019 (Afternoon)

(a) – 2 (b) $11\frac{1}{3}$

(c) $6\frac{1}{4}$ (d) 8

70. $(-4) \times (1020 \div 85 \times 3 - 22)$ is equal to :

SSC CPO 16 March 2019 (Afternoon)

(a) – 402 (b) – 56

(c) 912 (d) 72

71. Find the value of

$\frac{3}{5} \times 4\left[7-\left\{\frac{2}{5}\times(13+2)\right\}\right]$ is :

SSC CPO 14 March 2019 (Evening)

(a) 1 (b) $\frac{1}{3}$

(c) $2\frac{2}{5}$ (d) 0

72. Find the value of $7 - \{4 \times 3 - (-10) \times 8 \div (-4)\}$.

SSC CPO 14 March 2019 (Evening)

(a) –1 (b) 0

(c) 53 (d) 15

73. $10 - \{17 - 12 \div (5 + 9 \times 2 - 17)\}$ is equal to :

SSC CPO 15 March 2019 (Evening)

(a) – 5 (b) 5

(c) 7 (d) – 7

74. $13 \div \{4 \text{ of } 2 - 3 + 4 \times (6 - 4)\}$ is equal to :

SSC CGL 4 June 2019 (Morning)

(a) $-2\frac{1}{13}$ (b) 0

(c) 1.3 (d) 1

75. Find the value of $32 \div 4$ of $2 \times 3 + [5 \text{ of } 6 - \{7 \text{ of } 8(10 + 6 \text{ of } \frac{5}{6} \div 5 - 1) \div 80\}] - 7 \times 3 \div 2$.

SSC MTS 2 August 2019 (Morning)

(a) 7.5 (b) 17.5

(c) 12.5 (d) 24.5

76. What is the value of

$$\frac{72 \div 9 + 3 - 6 - (2 \times 3) + 5 \text{of} 3 - (1 + 5 \times 2 - 2)}{8 \div 4 + 2 - (6 \times 8 \div 2) + (7 \times 4 - 2 \times 2)}$$

SSC MTS 2 August 2019 (Morning)

(a) $\frac{11}{4}$ (b) $\frac{5}{4}$

(c) 0 (d) $\frac{15}{4}$

77. What is the value of $7 \div 2 - [3 \text{ of } 7 \div 4 \div \{(2 \div 5) \times (25 \div 8) \div (5 \div 2)\}]$

SSC MTS 2 August 2019 (Afternoon)

(a) – 8 (b) – 7

(c) – 1 (d) – 9

78. Find the value of $\frac{3}{4}$ of $\left(\frac{1}{3} \div \frac{1}{2}\right) + \left(2-\frac{2}{5}\right) \times \frac{3}{2}+\frac{2}{3}$

SSC MTS 2 August 2019 (Afternoon)

(a) $\frac{107}{30}$ (b) $\frac{101}{6}$

(c) $\frac{109}{17}$ (d) $\frac{103}{25}$

79. What is the value of

$$\frac{\frac{2}{3}\text{of}\frac{9}{4}+\frac{1}{2}\div\frac{5}{4}}{1-\frac{1}{3}+\frac{1}{4}\times\left(1+\frac{1}{3}\right)}$$

SSC MTS 2 August 2019 (Evening)

(a) $\frac{7}{10}$ (b) $\frac{9}{19}$

(c) $\frac{19}{10}$ (d) $\frac{7}{11}$

80. Find the value of $\frac{3}{7} \div \frac{9}{21} + 2 \div \frac{4}{3} + \frac{1}{2}$ of $\frac{12}{5} \times \frac{25}{18} \div \frac{5}{9}$.

SSC MTS 2 August 2019 (Evening)

(a) 2 (b) $\frac{17}{3}$

(c) $\frac{14}{3}$ (d) 4

81. What is the value of 90 × 3 ÷ 9 + 4 ÷ 2 × 3 of 4× 8 ÷ (18 × 2 – 4)?

SSC MTS 5 August 2019 (Morning)

(a) 48 (b) 40

(c) 36 (d) 42

82. If A = 40 ÷ 8 + 5 × 2 – 4 × 5 of 3 and B = 24 ÷ 4(4 + 2) + 19 of 2, then what is the value of A – B?

SSC MTS 5 August 2019 (Morning)

(a) –11 (b) 11

(c) 13 (d) – 13

83. Find the value of 36 ÷ 8 × 4 + 2 ÷ 4 – 1 + 5 of 3 ÷ (4 × 2 – 3) – 3.

SSC MTS 5 August 2019 (Afternoon)

(a) 18 (b) 16

(c) $\frac{35}{2}$ (d) $\frac{31}{2}$

84. If A = 7 × 3 ÷ (2 + 4) + 4 – 2, B = 3 ÷ 6 × 4 + 2 – 2 of 3 and C = 6 ÷ 2 + 4 × 3 – 2 then the value of (A + B – C) is :

SSC MTS 5 August 2019 (Afternoon)

(a) $\frac{-16}{3}$ (b) $\frac{19}{2}$

(c) $\frac{-19}{2}$ (d) $\frac{16}{3}$

85. What is the value of

$$\frac{3 \text{ of } 24 \div 8 \times 3 + 4 \div 2 - 4 \times 5}{36 \div 12 \times 4 \div 2 + 5 \times (6 - 4)}.$$

SSC MTS 5 August 2019 (Evening)

(a) $\frac{8}{15}$ (b) $\frac{9}{16}$

(c) $\frac{3}{10}$ (d) $\frac{3}{4}$

86. Find the value of

$$\frac{\frac{3}{4} \div \frac{9}{32} + \frac{4}{3} \times \frac{2}{3} \text{ of } \frac{27}{16}}{\frac{1}{2} \times \left(\frac{8}{3} - 2\right) \div \frac{4}{9} + \left(\frac{1}{3} + \frac{1}{6}\right)}.$$

SSC MTS 5 August 2019 (Evening)

(a) $\frac{13}{2}$ (b) $\frac{10}{3}$

(c) $\frac{25}{2}$ (d) $\frac{31}{2}$

87. Find the value of

$$\frac{39 \div 26 + 22 \div 11 \times 2 + 4 \times 3}{2 \text{ of } 5 - 3(7 + 10 \div 2 - 3 \times 3)}$$

SSC MTS 6 August 2019 (Morning)

(a) $\frac{61}{2}$ (b) $\frac{49}{2}$

(c) $\frac{39}{2}$ (d) $\frac{35}{2}$

88. What is the value of (24 + 16 × 5 – 8 of 4) ÷ 84 × 48 ÷ 24 × 6 + 4 + 3?

SSC MTS 6 August 2019 (Morning)

(a) $\frac{139}{3}$ (b) $\frac{156}{5}$

(c) $\frac{121}{7}$ (d) $\frac{56}{3}$

89. What is the value of (3 × 4 of 12 ÷ 2) ÷ 9 × 4 + 4 ÷ 8 + 3 × 2?

SSC MTS 6 August 2019 (Afternoon)

(a) $\frac{89}{3}$ (b) $\frac{17}{2}$

(c) $\frac{94}{3}$ (d) $\frac{27}{2}$

90. If A = 8 ÷ 4 × (3 – 1) + 6 × 3 ÷ 2 of 3 and B = 4 ÷ 8 ×2 + 7 × 3, then the value of A + B is :

SSC MTS 6 August 2019 (Afternoon)

(a) 29 (b) 31

(c) 33 (d) 35

91. What is the value of (6 of 4 ÷ 16 × 48) ÷ 8 × 4 + 2 × 3 ÷ 6 + 5(6 – 2)?

SSC MTS 6 August 2019 (Evening)

(a) 63 (b) 79

(c) 67 (d) 57

92. What is the value of

$$\frac{3}{4}\div\left(\frac{1}{2}+\frac{1}{16}\right)+\frac{2}{3}\text{ of }\frac{4}{9}\div\left(\frac{1}{3}-\frac{11}{81}\right)+\frac{1}{4}\times\frac{2}{3}$$

SSC MTS 6 August 2019 (Evening)

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

93. Find the value of

$$\left\{\frac{(0.7)^2\div 0.14+(0.6)^2+0.18+(0.5)^2\div 0.05}{4(2.5\text{ of }4-13\times 0.25\times 3)}\right\}$$

SSC MTS 7 August 2019 (Morning)

(a) $\frac{25}{2}$ (b) $\frac{19}{2}$
(c) $\frac{23}{2}$ (d) $\frac{21}{2}$

94. Find the value of

$$\frac{\left(1-\frac{1}{4}\right)+\left(\frac{1}{2}\text{ of }\frac{1}{2}\right)\div\frac{2}{5}}{\frac{2}{5}\div\frac{1}{4}+\frac{3}{2}\left(2-\frac{8}{5}\right)}$$

SSC MTS 7 August 2019 (Morning)

(a) $\frac{2}{3}$ (b) $\frac{5}{8}$
(c) $\frac{4}{5}$ (d) $\frac{5}{11}$

95. Find the value of

$$\left(1+\frac{3}{4}\right)\times\frac{3}{21}\text{ of }5\frac{1}{3}\div\frac{128}{49}+\frac{2}{3}\times\frac{7}{11}\times\frac{121}{49}\div\left(\frac{15}{14}-\frac{2}{7}\right)$$

SSC MTS 7 August 2019 (Afternoon)

(a) $\frac{69}{25}$ (b) $\frac{62}{29}$
(c) $\frac{57}{41}$ (d) $\frac{59}{32}$

96. If A = 2 ÷ 3 × 4, B = 3 of 4 + (7 – 2) and C = 4 + 5 – 6, then what is the value of A + B + C?

SSC MTS 7 August 2019 (Afternoon)

(a) $\frac{85}{3}$ (b) $\frac{79}{3}$
(c) $\frac{59}{3}$ (d) $\frac{68}{3}$

97. What is the value of

$$\frac{(49-13)\times 18\div 9+4\times 12\div 6+5}{98\div 14+7\times 4\text{ of }6\div 8+4}$$

SSC MTS 7 August 2019 (Evening)

(a) $\frac{45}{23}$ (b) $\frac{37}{18}$
(c) $\frac{85}{32}$ (d) $\frac{53}{17}$

98. What is the value of

$$\frac{2\div 3\times(1+3)+5-6}{2\text{ of }3\div 5\times 4+3-2}?$$

SSC MTS 7 August 2019 (Evening)

(a) $\frac{36}{89}$ (b) $\frac{31}{73}$
(c) $\frac{25}{87}$ (d) $\frac{27}{92}$

99. Find the value of 2 of 16 ÷ 48 × 12 + 4 ÷ 8 × 16 + (7 – 2) × 25 + 15?

SSC MTS 8 August 2019 (Morning)

(a) $\frac{23}{3}$ (b) $\frac{59}{3}$
(c) $\frac{49}{3}$ (d) $\frac{56}{3}$

100. Find the value

$$\left(\frac{1}{2}\div\frac{1}{2}\times\frac{1}{2}+\frac{1}{2}-\frac{1}{2}+\frac{1}{2}\times\frac{1}{2}\div\frac{1}{2}\right)\text{ of }\left(\frac{1}{2}+\frac{1}{2}\right)?$$

SSC MTS 8 August 2019 (Morning)

(a) $\frac{3}{2}$ (b) $\frac{1}{2}$
(c) 1 (d) $\frac{5}{2}$

101. Find the value

$$\frac{12\text{ of }3\div 6+12\times 2-(2\times 4-5)}{12\div 3\times 4+(2\times 4-5)}$$

SSC MTS 8 August 2019 (Afternoon)

(a) $\frac{27}{22}$ (b) $\frac{23}{17}$
(c) $\frac{27}{19}$ (d) $\frac{21}{9}$

102. find the value 5 of 5 of 5 ÷ 5 + 5 – 6 ÷ 3 × 4 + 2 + (3 ÷ 6 × 2)

SSC MTS 8 August 2019 (Afternoon)

(a) 21 (b) 25
(c) 28 (d) 19

103. Find the value $(9 \div 30)^2 \times 2.4 + 0.3$ of $12 \times (1 - 0.3)^2 + 9 \times (0.3)^2$

SSC MTS 8 August 2019 (Evening)

(a) 3.43 (b) 3.69
(c) 2.79 (d) 2.17

104. Find the value 2 of 3 ÷ 3 × 2 + {4 × 3 – (5 × 2 + 3)}.

SSC MTS 8 August 2019 (Evening)

(a) 3 (b) – 24
(c) 6 (d) – 21

105. The value of $99\frac{95}{99} \times 99 - 95$ is :

SSC MTS 9 August 2019 (Morning)

(a) 9897 (b) 9993
(c) 9999 (d) 9801

106. What is the value of

$$\left(\frac{0.56 \times 0.36 + 0.42 \times 0.32}{0.8 \times 0.21}\right)$$

SSC MTS 9 August 2019 (Morning)

(a) 1 (b) $\frac{3}{2}$
(c) 32 (d)

107. Find the value of (3576 + 4286 + 6593) ÷ (201 + 105 + 107).

SSC MTS 9 August 2019 (Afternoon)

(a) 35 (b) 31
(c) 22 (d) 18

108. The value of x, 45 × x = 25% of 900 is :

SSC MTS 9 August 2019 (Afternoon)

(a) 16.2 (b) 4
(c) 500 (d) 5

109. $(x^5 \div x^4)^3 \div x^2 = ?$

SSC MTS 9 August 2019 (Evening)

(a) x^2 (b) x^3
(c) x^{-1} (d) x

110. The value of x in the given equation :

$23^2 + \sqrt{x} = 625$

SSC MTS 13 August 2019 (Morning)

(a) 9576 (b) 9124
(c) 9216 (d) 9028

111. What is the value of

$$\left(2\frac{1}{6} + 1\frac{13}{18} - \frac{1}{6}\right) \times 16 \div 4$$

SSC MTS 13 August 2019 (Morning)

(a) 42 (b) $41\frac{1}{72}$
(c) $\frac{134}{9}$ (d) 63

112. The value of [12 × 5 – {200 – (50 + 247 – 386)}] ÷ 2 is :

SSC MTS 13 August 2019 (Afternoon)

(a) 162 (b) 161
(c) 111 (d) 82

113. The value of

$$\left(5\frac{1}{3} \times 2\frac{1}{7} \times 9\frac{2}{5} \times 4\frac{3}{8} \times 2\frac{6}{47}\right)$$ is :

SSC MTS 13 August 2019 (Afternoon)

(a) 1 (b) 1000
(c) 100 (d) 10

114. $\sqrt{\frac{25.60}{72.90}} + \sqrt{\frac{0.10}{8.10}} = ?$

SSC MTS 13 August 2019 (Evening)

(a) $\frac{27}{30}$ (b) $\frac{27}{20}$
(c) $\frac{19}{27}$ (d) $\frac{27}{28}$

115. Compute (15 + 3 × 1.1) ÷ 0.0003

SSC MTS 13 August 2019 (Evening)

(a) 61000 (b) 122000
(c) 16100 (d) 30500

116. If 7 × 7 of 3 ÷ 3 – 14 × x = 7, then x is equal to :

SSC MTS 14 August 2019 (Morning)

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

117. What is the value of (1 × 2 + 2 × 3 – 3 × 4 + 4 × 5 – 5× 6 + 6 × 7)?

SSC MTS 14 August 2019 (Afternoon)

(a) 28 (b) 25
(c) 20 (d) 24

118. The vale of 8 of 3 ÷ 6 + (10 + 2) × 3 – 96 ÷ 3 is :

SSC MTS 14 August 2019 (Afternoohn)

(a) 7 (b) 9
(c) 10 (d) 8

119. 12^2 + 16 of 3 – 20 ÷ 4 = ?

SSC MTS 14 August 2019 (Evening)

(a) 240 (b) 180
(c) 156 (d) 187

120. What is the value of the square root of
[{(100 of 0.9 × 0.8 – 7 × 1.2 ÷ 0.2 + 5 × 4 – 3 × 2)} ÷ 10 + 1.85] ?

SSC MTS 16 August 2019 (Morning)

(a) 12.25 (b) 2.5
(c) 6.25 (d) 3.5

121. Find the value of (1 × 2 + 3 × 4 + 5 × 6 + 7 × 8 – 9 × 10) ÷ 2 of 5?

SSC CGL 4 June 2019 (Morning)

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

122. If (28 ÷ 4 × 7) + (44 ÷ 4 × 7) – (12 × x) = 18, then the value of x is :

SSC MTS 16 August 2019 (Afternoon)

(a) 3 (b) 12
(c) 9 (d) 6

123. Find the value of 2 × 2 + 4 × 4 + 2 of 3 × 6 – 7 × (5 + 4 ÷ 2)

SSC MTS 16 August 2019 (Afternoon)

(a) 5 (b) 7
(c) 4 (d) 6

124. Find the value of (0.4 of 50 × 6 ÷ 8) ÷ (12 × 10 ÷ 16) + 5 × 0.2 – 0.01 × 10^2.

SSC MTS 16 August 2019 (Evening)

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

125. Find the value of
(2 of 14 ÷ 7 × 3) + (44 ÷ 11 × 8) – (12 × 9 ÷ 3).

SSC MTS 16 August 2019 (Evening)

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

126. Find the value
2 – 2 ÷ 2 × 2 + 2(2 of 2 – 2 – 2 ÷ 2)

SSC MTS 19 August 2019 (Morning)

(a) 4 (b) 0
(c) 2 (d) 1

127. Find the value of

$$3\frac{3}{4}-\frac{61}{122}+\frac{9}{2}\div\frac{1}{2}\text{ of }\frac{4}{3}\left(1+\frac{1}{3}\right)+\frac{1}{2}\times\frac{4}{3}.$$

SSC MTS 19 August 2019 (Morning)

(a) $\frac{155}{12}$ (b) 3
(c) $\frac{163}{11}$ (d) 9

128. Find the value of

$$\frac{\left(1-\frac{3}{4}\right)+\frac{1}{2}\text{ of }\frac{6}{10}}{\frac{2}{3}\div\frac{4}{10}+\left(1-\frac{1}{5}\right)\text{of}\frac{25}{16}}$$

SSC MTS 19 August 2019 (Afternoon)

(a) $\frac{33}{175}$ (b) $\frac{49}{115}$
(c) $\frac{29}{175}$ (d) $\frac{47}{115}$

129. What is the value of
3 ÷ 3 of 3 + 2 ÷ 4 + (4 × 2 – 2) ÷ 12 + 4.

SSC MTS 19 August 2019 (Afternoon)

(a) $\frac{12}{5}$ (b) $\frac{16}{3}$
(c) $\frac{14}{3}$ (d) $\frac{17}{6}$

130. The value of

$$\left(8\div\frac{2}{3}\text{of}\frac{4}{5}\right)\div\left(8\times\frac{2}{3}\div\frac{4}{5}\right)\text{of}\left(8\div\frac{2}{3}\times\frac{4}{5}\right)\text{ is :}$$

SSC MTS 19 August 2019 (Evening)

(a) $21\frac{3}{5}$ (b) $7\frac{13}{16}$
(c) 1 (d) $\frac{15}{64}$

131. The value of 165 – [135 – {84 ÷ 4 of 3 – (16 – 18 ÷ 3)}] is :

SSC MTS 19 August 2019 (Evening)

(a) 81 (b) $36\frac{1}{3}$

(c) 27 (d) 83

132. Find the value of 27 × 6 ÷ 24 + 6 ÷ 2 of 3 + 30 ÷ 24 × 18 – 9 ÷ 54 of 3 × 216

SSC MTS 20 August 2019 (Morning)

(a) – 77.75 (b) 18.25

(c) – 69.75 (d) 26.25

133. Find the value of

$$\frac{1}{7}\text{of}\,1\frac{2}{5}\div\left\{5\frac{1}{2}-\left(\frac{5}{32}+\frac{3}{5}\times1\frac{7}{8}\div1\frac{1}{3}\text{of}\,\frac{3}{16}\right)\right\}$$

SSC MTS 20 August 2019 (Morning)

(a) $\frac{17}{135}$ (b) $\frac{27}{32}$

(c) $\frac{27}{160}$ (d) $\frac{6}{27}$

134. Find the value of $\frac{1}{4}\times\frac{3}{4}\div1\frac{1}{4}\text{of}\,\frac{2}{5}-\left[\frac{1}{6}\div\left\{\frac{3}{7}\text{of}\,\frac{14}{5}\times1\frac{2}{3}-\left(3\frac{1}{2}-2\frac{1}{6}\right)\right\}\right]$

SSC MTS 20 August 2019 (Afternoon)

(a) $\frac{3}{8}$ (b) $\frac{1}{8}$

(c) $\frac{2}{3}$ (d) $\frac{1}{3}$

135. Find the value of 4 × 2 ÷ 4 of (4 + 4 ÷ 4 of 4) – (4 ÷ 4 of 2 × 4).

SSC MTS 20 August 2019 (Afternoon)

(a) –1 (b) $6\frac{1}{2}$

(c) $\frac{-26}{17}$ (d) $4\frac{1}{4}$

136. Find the value of 26 – [(2 of 6 ÷ 3) – 93 – {17 – (14 – 2)}].

SSC MTS 20 August 2019 (Evening)

(a) 100 (b) 120

(c) 110 (d) 90

137. In the given equation, find the value of x?

$(5)^2 + (6)^2 + (30)^2 = (x)^2$

SSC MTS 21 August 2019 (Morning)

(a) 53 (b) 37

(c) 41 (d) 31

138. Find the value of $56 + (4)^3 - 3 \times (3)^2$

SSC MTS 21 August 2019 (Morning)

(a) 93 (b) 79

(c) 76 (d) 83

139. Find the value of

$$\sqrt{3\frac{1}{16}}+\frac{1}{2}-\frac{3}{4}$$

SSC MTS 21 August 2019 (Afternoon)

(a) $1\frac{3}{4}$ (b) 1

(c) $1\frac{1}{2}$ (d) $1\frac{1}{4}$

140. Approximate value of (4488 ÷ 11.01 – 7.98) ÷ 15.99 is :

SSC MTS 21 August 2019 (Afternoon)

(a) 2.5 (b) 26

(c) 25 (d) 2.6

141. Find the value of

$7 \div 14\ \text{of}\ 2 - 7 \times 7 \div 49 + \frac{1}{3}\ \text{of}\ (14 \div 7 + 7) + 7 - 14 \div 2$

SSC MTS 21 August 2019 (Evening)

(a) 3 (b) $2\frac{1}{4}$

(c) $-1\frac{1}{4}$ (d) $4\frac{1}{4}$

142. Simplify

$$6\frac{1}{8}\div\left(5\frac{1}{4}\div\frac{3}{7}\text{of}\,\frac{1}{2}\right)-8\times\frac{2}{3}\div\frac{4}{5}\text{of}\,1\frac{2}{3}$$

SSC MTS 21 August 2019 (Evening)

(a) $\frac{15}{4}$ (b) 3

(c) – 3 (d) $-\frac{15}{4}$

143. The value of $3 \div 21$ of $3 \times 7 + 24 \times 6 \div 18 - 3 \div 2 + 3 - 2 \times 3 \div 6$ is :

SSC MTS 22 August 2019 (Morning)

(a) $6\frac{1}{3}$ (b) $9\frac{1}{2}$

(c) $8\frac{5}{6}$ (d) $12\frac{1}{2}$

144. The value of $3\frac{1}{5} \div 4\frac{1}{2}$ of $5\frac{1}{3} - 2\frac{1}{3}$ of $\left\{\frac{3}{7} - \left(1\frac{4}{15} - \frac{13}{30}\right) \times 1\frac{1}{5}\right\}$ is :

SSC MTS 22 August 2019 (Morning)

(a) $1\frac{1}{3}$ (b) $1\frac{1}{6}$

(c) $1\frac{2}{15}$ (d) $1\frac{7}{15}$

145. The value of

$$1\frac{2}{3} \div \left\{\frac{3}{7} \text{ of } \frac{14}{5} \times 1\frac{2}{3} - \left(3\frac{1}{2} - 2\frac{1}{6}\right) + \frac{1}{2} \div \frac{3}{2} \text{ of } \frac{1}{2}\right\}$$

SSC MTS 22 August 2019 (Afternoon)

(a) $3\frac{1}{6}$ (b) $2\frac{1}{2}$

(c) 1 (d) $1\frac{2}{3}$

146. the value of $72 \div 6$ of $12 + 4 \times (5 - 3)$ of $2 \div 4 - 2$ is :

SSC MTS 22 August 2019 (Afternoon)

(a) 5 (b) 4

(c) 0 (d) 3

147. The value of $\frac{5 + 2 \text{ of } 3 \div 3 \text{ of } 2 \times 3}{9 + 72 \div 3 - 2 \times (3 - 2) - 3}$ is $\frac{a}{b}$, where a and b are prime numbers. The value of (b – a) is :

SSC MTS 22 August 2019 (Evening)

(a) 7 (b) 3

(c) 5 (d) 4

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

SSC MTS 22 August 2019 (Evening)

(a) $\frac{9}{8}$ (b) $\frac{1}{18}$

(c) 18 (d) $\frac{8}{9}$

149. If $x = \frac{1}{12.13} + \frac{1}{13.14} + \frac{1}{14.15} \ldots\ldots + \frac{1}{23.24}$, $y = \frac{1}{36.37} + \frac{1}{37.38} + \frac{1}{38.39} \ldots\ldots + \frac{1}{71.72}$ then $\frac{x}{y}$ is equal to :

SSC CHSL 10 July 2019 (Evening)

(a) $\frac{1}{3}$ (b) $\frac{1}{24}$

(c) $\frac{1}{72}$ (d) 3

150. If $(1.25)(1 - 6.4 \times 10^{-5}) = 1.2496 + a$, then a is equal to :

SSC CGL 4 June 2019 (Morning)

(a) 0.0016 (b) 0.00016

(c) 0.0032 (d) 0.00032

151. The value of

$$\frac{7 + 8 \times 8 \div 8 \text{ of } 8 + 8 \div 8 \times 4 \text{ of } 4}{4 \div 4 \text{ of } 4 + 4 \times 4 \div 4 - 4 \div 4 \text{ of } 2}$$

SSC CGL Tier-II (11 September 2019)

(a) 7.8 (b) 4.6

(c) 8.7 (d) 6.4

152. The value of $22.\overline{4} + 11.\overline{67} - 33.\overline{59}$ is :

SSC CGL Tier-II (11 September 2019)

(a) $0.\overline{32}$ (b) $0.\overline{412}$

(c) $0.3\overline{1}$ (d) $0.4\overline{12}$

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

SSC CGL Tier-II (11 September 2019)

(a) 5 (b) 8

(c) $\frac{1}{8}$ (d) $\frac{1}{5}$

154. The value of

$$\frac{(253)^3+(247)^3}{25.3\times25.3-624.91+24.7\times24.7}$$

is 50×10^k, where the value of k is :

SSC CGL Tier-II (11 September 2019)

(a) 3 (b) 4
(c) 2 (d) – 3

155. If $\left(\sqrt{2}+\sqrt{5}-\sqrt{3}\right) \times k = -12$, then what will be the value of k?

SSC CGL Tier-II (11 September 2019)

(a) $\left(\sqrt{2}+\sqrt{5}+\sqrt{3}\right)$

(b) $\left(\sqrt{2}+\sqrt{5}+\sqrt{3}\right)\left(2-\sqrt{10}\right)$

(c) $\left(\sqrt{2}+\sqrt{5}-\sqrt{3}\right)\left(2+\sqrt{5}\right)$

(d) $\left(\sqrt{2}+\sqrt{5}+\sqrt{3}\right)\left(2-\sqrt{5}\right)$

156. The vale of $\left(1\frac{1}{3}\div2\frac{6}{7}\text{ of }5\frac{3}{5}\right) \div \left(6\frac{2}{5}\div4\frac{1}{2}\text{ of }5\frac{1}{3}\right) \times \left(\frac{3}{4}\times2\frac{2}{3}\div\frac{5}{9}\text{ of }1\frac{1}{5}\right)$ = 1 + k, where k lies between :

SSC CGL Tier-II (12 September 2019)

(a) – 0.07 and – 0.06
(b) – 0.08 and – 0.07
(c) – 0.06 and – 0.05
(d) – 0.05 and – 0.04

157. The value of

$$\frac{(0.545)(0.081)(0.51)(5.2)}{(0.324)^3+(0.221)^3-(0.545)^3}$$

is :

SSC CGL Tier-II (12 September 2019)

(a) – 1 (b) 1
(c) 3 (d) – 3

158. The expression

$$\sqrt{10+2\left(\sqrt{6}-\sqrt{15}-\sqrt{10}\right)}$$

SSC CGL Tier-II (12 September 2019)

(a) $\sqrt{3}+\sqrt{2}-\sqrt{5}$ (b) $\sqrt{3}-\sqrt{2}-\sqrt{5}$
(c) $\sqrt{3}-\sqrt{2}+\sqrt{5}$ (d) $\sqrt{2}-\sqrt{3}-\sqrt{5}$

159. The value of $0.5\overline{6}-0.7\overline{23}+0.3\overline{9}\times0.\overline{7}$ is :

SSC CGL Tier-II (12 September 2019)

(a) $0.1\overline{54}$ (b) $0.\overline{154}$
(c) $0.1\overline{58}$ (d) $0.\overline{158}$

160. The value of 9 × 6 ÷ 24 + 8 ÷ 2 of 5 – 30 ÷ 4 of 4 + 27 × 5 ÷ 9 is :

SSC CGL Tier-II (12 September 2019)

(a) $\frac{647}{40}$ (b) $\frac{243}{8}$
(c) $\frac{493}{8}$ (d) $\frac{259}{8}$

161. The value of $\sqrt{28+10\sqrt{3}} - \sqrt{7-4\sqrt{3}}$ is closest to :

SSC CGL Tier-II (13 September 2019)

(a) 7.2 (b) 6.1
(c) 6.5 (d) 5.8

162. The value of $0.4\overline{7}+0.5\overline{03}-0.3\overline{9}\times0.\overline{8}$ is

SSC CGL Tier-II (13 September 2019)

(a) $0.6\overline{15}$ (b) $0.\overline{615}$
(c) $0.62\overline{5}$ (d) $0.6\overline{25}$

163. The value of

$$\frac{2\sqrt{10}}{\sqrt{5}+\sqrt{2}-\sqrt{7}}-\sqrt{\frac{\sqrt{5}-2}{\sqrt{5}+2}}-\frac{3}{\sqrt{7}-2}$$

is :

SSC CGL Tier-II (13 September 2019)

(a) $2+\sqrt{2}$ (b) $2\sqrt{5}$
(c) $\sqrt{2}$ (d) $\sqrt{7}$

164. Find the value of 24 × 2 ÷ 12 + 12 ÷ 6 of 2 ÷ (15 ÷ 8 × 4) of (28 ÷ 7 of 5) is :

SSC CGL Tier-II (13 September 2019)

(a) $4\frac{1}{6}$ (b) $4\frac{8}{75}$
(c) $4\frac{2}{3}$ (d) $4\frac{32}{75}$

165. A student was asked to find the value of $9\frac{4}{9} \div 11\frac{1}{3}$ of $\frac{1}{6} + \left(1\frac{1}{3} \times 1\frac{4}{5} \div \frac{3}{5}\right) \times 2\frac{1}{6}$ of $\frac{2}{3} \div \frac{4}{3}$ of $\frac{2}{3}$. His answer was $19\frac{1}{4}$. What is the difference between his answer and the correct answer?

SSC CGL Tier-II (13 September 2019)

(a) $7\frac{3}{4}$ (b) $6\frac{2}{3}$

(c) $7\frac{1}{2}$ (d) $6\frac{1}{3}$

166. The value of

$$\frac{(4.6)^4 + (5.4)^4 + (24.84)^2}{(4.6)^2 + (5.4)^2 + 24.84}$$ is :

SSC CGL Tier-II (13 September 2019)

(a) 24.42 (b) 24.24

(c) 25.42 (d) 25.48

167. If '+' means '–', '–' means '+', '×' means '÷' and '÷' means '×', then the value of $\frac{42 - 12 \times 3 + 8 \div 2 + 15}{8 \times 2 - 4 + 9 \div 3}$ is :

SSC CGL 3 March 2020 (Morning)

(a) $-\frac{5}{3}$ (b) $-\frac{15}{19}$

(c) $\frac{15}{19}$ (d) $\frac{5}{3}$

168. The value of $\left(18 \div 2 \text{ of } \frac{1}{4}\right) \times \left(\frac{2}{3} \div \frac{3}{4} \times \frac{5}{8}\right) \div \left(\frac{2}{3} \div \frac{3}{4} \text{ of } \frac{3}{4}\right)$ is :

SSC CGL 3 March 2020 (Afternoon)

(a) $10\frac{2}{3}$ (b) $8\frac{5}{8}$

(c) $16\frac{7}{8}$ (d) $2\frac{7}{64}$

169. The value of $-\frac{5}{2} + \frac{3}{2} \div 6 \times \frac{1}{2}$ is equal to :

SSC CGL 3 March 2020 (Evening)

(a) $-\frac{1}{12}$ (b) $-\frac{9}{8}$

(c) $-\frac{1}{3}$ (d) $-\frac{19}{8}$

170. The value of

$$\frac{36 \div 42 \text{of} 6 \times 7 + 24 \times 6 \div 18 + 3 \div (2-6) - (4 + 3 \times 2) \div 8}{21 \div 3 \text{ of } 7}$$

SSC CGL 3 March 2020 (Evening)

(a) 7 (b) $\frac{1}{7}$

(c) $7\frac{1}{2}$ (d) $8\frac{1}{2}$

171. The value of

$$\frac{7 - [4 + 3(2 - 2 \times 2 + 5) - 8] \div 5}{2 \div 2 \text{ of } (4 + 4 \div 4 \text{ of } 4)}$$ is :

SSC CGL 3 March 2020 (Morning)

(a) 26 (b) $25\frac{1}{2}$

(c) $8\frac{1}{2}$ (d) 24

172. The value of

$$\frac{5\frac{1}{2} \div 3\frac{2}{3} \text{ of } \frac{1}{4} + \left(5\frac{1}{9} - 7\frac{7}{8} \div 9\frac{9}{20}\right) \times \frac{9}{11}}{5 \div 5 \text{ of } \frac{1}{10} - 10 \times 10 \div 20}$$

SSC CGL 4 March 2020 (Afternoon)

(a) $1\frac{4}{5}$ (b) $1\frac{9}{10}$

(c) $3\frac{4}{5}$ (d) $9\frac{1}{2}$

173. The value of

$$\frac{8 \div [(8-3) \div \{(4 \div 4 \text{ of } 8) + 4 - 4 \times 4 \div 8\} - 2]}{8 \times 8 \div 4 - 8 \div 8 \text{ of } 2 - 7}$$ is :

SSC CGL 4 March 2020 (Evening)

(a) $\frac{17}{8}$ (b) $\frac{8}{3}$

(c) $\frac{16}{170}$ (d) $\frac{2}{17}$

174. The value of

$$\frac{3\frac{2}{3}\div\frac{11}{30}\text{ of }\frac{2}{3}-\frac{1}{4}\text{ of }2\frac{1}{2}\div\frac{3}{5}\times4\frac{4}{5}}{\frac{2}{5}\text{ of }7\frac{1}{2}\div\frac{3}{4}-\frac{3}{4}\times1\frac{1}{2}\div2\frac{1}{4}}$$ is

SSC CGL 4 March 2020 (Morning)

(a) $2\frac{6}{7}$ (b) $3\frac{4}{7}$

(c) $2\frac{2}{9}$ (d) $\frac{10}{21}$

175. The value of

$$\frac{3}{5}\times1\frac{7}{8}\div1\frac{1}{3}\text{ of }\frac{3}{16}-\left(3\frac{1}{5}\div4\frac{1}{2}\text{ of }5\frac{1}{3}\right)\times2\frac{1}{2}+\frac{1}{2}+\frac{1}{8}\div\frac{1}{4}$$ is :

SSC CGL 5 March 2020 (Afternoon)

(a) $4\frac{1}{3}$ (b) $5\frac{5}{6}$

(c) $5\frac{1}{6}$ (d) $4\frac{1}{8}$

176. The value of $-1+\frac{1}{4}\div\frac{1}{2}\times2+5$ is :

SSC CGL 5 March 2020 (Evening)

(a) 2 (b) 5

(c) $\frac{17}{4}$ (d) $-\frac{7}{2}$

177. If '+' means '–', '–' means '+', '×' means '÷' and '÷' means '×', then the value of $\frac{[(30\times5)+(84\times6)]\div5}{\left(\frac{2}{3}\div18\right)-(4\div2)}$ is

SSC CGL 6 March 2020 (Morning)

(a) 1 (b) – 2

(c) 2 (d) – 1

178. Solve the following

$$\frac{4}{3}\div\frac{1}{6}\times2-1=?$$

SSC CGL 6 March 2020 (Afternoon)

(a) 8 (b) – 2

(c) 3 (d) 15

179. Solve the following 113 × 87 = ?

SSC CGL 6 March 2020 (Afternoon)

(a) 10000 (b) 10169

(c) 10026 (d) 9831

180. The value of $\frac{[54-(5\div2)\times8]+13}{48-4\div3\times8-2}$ is :

SSC CGL 6 March 2020 (Evening)

(a) $\frac{141}{106}$ (b) $\frac{141}{127}$

(c) $\frac{89}{106}$ (d) $\frac{89}{127}$

181. The value of 151^2-149^2 is:

SSC CGL 7 March 2020 (Morning)

(a) 300 (b) 400

(c) 2^2 (d) 600

182. The value of 3 – (9 – 3 × 8 ÷ 2) is

SSC CGL 7 March 2020 (Morning)

(a) – 21 (b) $\frac{21}{2}$

(c) 0 (d) 6

183. The value of

$$1\frac{1}{8}\div\left(4\frac{1}{4}\div\frac{3}{5}\text{ of }8\frac{1}{2}\right)-\frac{2}{5}\times1\frac{1}{3}\div\frac{4}{5}\text{ of }1\frac{2}{3}+\frac{11}{20}$$ is :

SSC CGL 7 March 2020 (Afternoon)

(a) $3\frac{1}{2}$ (b) $1\frac{1}{2}$

(c) $1\frac{1}{4}$ (d) $3\frac{1}{8}$

184. Solve the following expression

5.6 – {2 + 0.6 of (2.1 – 2.6 × 1.12)

SSC CGL 7 March 2020 (Evening)

(a) 4.0871 (b) 4.0872

(c) 7.7112 (d) 7.7113

185. The value of 1800 ÷ 20 × {(12 – 6) + (24 – 12)} is :

SSC CGL 9 March 2020 (Morning)

(a) 2720 (b) 1720

(c) 840 (d) 1620

186. Solve the following expression
$11 + 11 \times 11 - 11 \div 11$

SSC CGL 9 March 2020 (Afternoon)

(a) 121 (b) 22
(c) 11 (d) 131

187. The value of 515×485 is :

SSC CGL 9 March 2020 (Evening)

(a) 249775 (b) 250225
(c) 20825 (d) 200825

188. The value of $(26 - 13 \times 2) \div 2 + 1$ is :

SSC CGL 9 March 2020 (Evening)

(a) 0 (b) 1
(c) $\frac{26}{3}$ (d) 14

189. What is the value of the following
$-15 + 90 \div [89 - \{9 \times 8 + (33 - 3 \times 7)\}]$

CHSL 12/10/2020 (Morning)

(a) 3 (b) 2
(c) 4 (d) 5

190. Find the value of $2.1 + 2.55 \div [63 - \{7.5 \times 8 + (13 - 2.5 \times 5)\}]$.

CHSL 12/10/2020 (Afternoon)

(a) 2.8 (b) 2.0
(c) 3.0 (d) 3.1

191. The value of $[0.9 - \{2.3 - 3.2 - (7.1 - 5.4 - 3.5)\}]$ is :

CHSL 12/10/2020 (Evening)

(a) 0 (b) 1.8
(c) 2.6 (d) 0.18

192. If the following interchanges are made in signs and numbers, which equation sould be correct?
Interchange
Signs : + and –
Numbers : 15 and 5

CHSL 13/10/2020 (Morning)

(a) $4 \times 30 - 15 \div 5 + 12 = 21$
(b) $12 \times 30 - 15 \div 5 + 4 = 37$
(c) $4 \times 30 - 15 \div 5 + 12 = 27$
(d) $4 \times 30 - 5 \div 15 + 14 = 21$

193. Evaluate
$45 - 5 \text{ of } (6.3 \div 9) + 7 \times 0.5$

CHSL 13/10/2020 (Afternoon)

(a) 40 (b) 45
(c) 50 (d) 42

194. The value of $(72 + 34) \div 2 + [\{75 \div 15) + 6\} \times 2]$ is :

CHSL 13/10/2020 (Evening)

(a) 74 (b) 75
(c) 86 (d) 78

195. If '+' means '÷', '×' means '+', '÷' means '–' and '–' means '×', then what will be the value of the following expreswsion?
$18 + 3 - 5 \times 6 \div 4$

CHSL 14/10/2020 (Morning)

(a) 30 (b) 32
(c) 15.5 (d) 13.5

196. The value of $4 + [3\{35 + (42 + 10 \div 2 \times 3 - 40) + 7]$ is :

CHSL 14/10/2020 (Morning)

(a) 157 (b) 167
(c) 185 (d) 163

197. The value of
$5\sqrt{3} + 7\sqrt{2} - \sqrt{6} - \frac{23}{\sqrt{2} + \sqrt{3} + \sqrt{6}}$ is :

CHSL 14/10/2020 (Afternoon)

(a) 0 (b) 16
(c) 12 (d) 10

198. The value of $\left[5\frac{4}{9} \div \left(\frac{11}{4} - \frac{13}{6}\right)^2\right] \div \left[7\frac{3}{11} \text{ of } 8\frac{4}{5} \div 1\frac{5}{7} - \frac{4}{3}\right]^2$ is :

CHSL 14/10/2020 (Afternoon)

(a) $\frac{1}{81}$ (b) $\frac{1}{61}$
(c) $\frac{1}{71}$ (d) $\frac{1}{91}$

199. Find the value of x in
$\sqrt[3]{15625} - \sqrt{x} = 4$

CHSL 14/10/2020 (Evening)

(a) 625 (b) 343
(c) 441 (d) 81

200. The value of 27 + [3(50 – 20)+168 ÷ 4 + 2 – 11 × 2]

CHSL 15/10/2020 (Morning)

(a) 245 (b) 139
(c) 149 (d) 239

201. Find the value of $225 - [42 - \{25 - (18 - \overline{18 + 13})\}]$.

CHSL 15/10/2020 (Evening)

(a) 222 (b) 231
(c) 223 (d) 244

202. The value of 72 – 3(2 + 24 ÷ 4 × 3 – 2 × 2) + 8 is :

CHSL 16/10/2020 (Morning)

(a) 72 (b) 32
(c) 36 (d) 24

203. The value of 10 – [121 ÷ (11 × 11) – (–4) – {3 – (8 – 1)}] is :

CHSL 16/10/2020 (Afternoon)

(a) – 1 (b) 1
(c) 0 (d) 19

204. What is the value of (9 + 3 – 16 ÷ 4 + 10) + {(3 + 5 × 2 ÷ 10)} × (18 – 4 of 5)?

CHSL 16/10/2020 (Evening)

(a) 15 (b) 10
(c) 5 (d) 8

205. Simplify the following :

$$4\frac{4}{5} \div \left[2\frac{1}{5} - \frac{1}{2}\left\{1\frac{1}{4} - \left(\frac{1}{4} - \frac{1}{5}\right)\right\}\right]$$

CHSL 19/10/2020 (Morning)

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

206. Find the value of

$$309 \div \left[\left\{\left(\frac{3}{2}\right) \text{of} (25 + 35) - 12\frac{3}{4}\right\}\right].$$

CHSL 19/10/2020 (Afternoon)

(a) 8 (b) 16
(c) 12 (d) 4

207. The value of

$$1\frac{3}{4} - \left[3\frac{1}{8} \div \left\{6 - \left(2\frac{3}{4} - \frac{11}{12}\right)\right\}\right] \text{ is :}$$

CHSL 19/10/2020 (Evening)

(a) 1 (b) 2
(c) 3 (d) 0

208. Evaluate [7 + 7 × (7 + 7 ÷ 7)] + 7÷ 7

CHSL 20/10/2020 (Morning)

(a) 10 (b) 5
(c) 63 (d) 64

209. The value of

$$\frac{4}{5} \div 3\frac{1}{4} \text{ of } \frac{8}{13} - \frac{\frac{1}{5} - \frac{1}{8}}{\frac{1}{5} + \frac{1}{8}} \times 5\frac{1}{5} + \frac{5}{6} \text{ is :}$$

CHSL 20/10/2020 (Afternoon)

(a) $\frac{2}{15}$ (b) $\frac{7}{30}$
(c) $\frac{1}{15}$ (d) $\frac{1}{30}$

210. What is the value of – 77 + 800 ÷ [83 – { 8 × 9 + (18 – 3 × 5)}]?

CHSL 20/10/2020 (Evening)

(a) 24 (b) 23
(c) 26 (d) 25

211. The value of

$$\frac{\frac{1}{5} \div \frac{1}{5} \times \frac{1}{5}}{\frac{1}{5} \div \frac{1}{5} \text{ of } \frac{1}{5}} - 4\frac{1}{5} \div 105 \text{ is :}$$

CHSL 21/10/2020 (Morning)

(a) 0 (b) 2
(c) 10 (d) 5

212. The value of

$$75\frac{3}{5} \div \left[15 \div 3 \text{ of } 5 + 7 \div \frac{1}{14} - \left\{78 \div 3\frac{1}{3}\right\}\right]$$

CHSL 26/10/2020 (Evening)

(a) $\frac{3}{7}$ (b) $\frac{5}{12}$
(c) $\frac{3}{8}$ (d) $\frac{5}{8}$

213. The value of

$$2\frac{1}{36} \div \frac{5}{9} \text{ of } \left(5\frac{1}{10} + 2\frac{1}{5}\right) + \frac{2}{5} \div 3\frac{1}{5} \text{ is:}$$

CHSL 26/10/2020 (Evening)

(a) $\frac{3}{7}$ (b) $\frac{5}{12}$
(c) $\frac{3}{8}$ (d) $\frac{5}{8}$

214. The value of [(3 + 5 – 4) + (17 – 3 × 4)] + [4 ÷ 2 – 16 ÷ 4 + 3] is :

CHSL 26/10/2020 (Afternoon)

(a) 16 (b) 10
(c) 12 (d) 4

215. The value of

$$3\frac{1}{3}-\left[\frac{9}{4}+\left\{\frac{5}{4}-\frac{1}{13}\times\left(\frac{5}{2}-\frac{1}{3}\right)\right\}\right]$$ is :

CHSL 26/10/2020 (Evening)

(a) 10 (b) 0
(c) 5 (d) 1

216. What will come at place of x, (x < 10) for $\frac{132\div12\times x-3\times3}{5^2-6\times4+x^2}=1$?

CHSL 17/03/2020 (Morning)

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

217. If x is the square of the number when $\left(\frac{2}{5}\text{of }6\frac{1}{4}\div\frac{3}{7}\right)\text{of }1\frac{2}{7}$ is divided by $11\frac{1}{4}$, then the value of 81x is :

CHSL 18/03/2020 (Morning)

(a) 36 (b) 16
(c) 9 (d) 4

218. If $\left[\left\{\left(\frac{2}{3}\right)^3\right\}^{(2x+3)}\right]^{-\frac{3}{4}}=\left[\left\{\left(\frac{2}{3}\right)^{\frac{2}{3}}\right\}^{(3x+7)}\right]^{-\frac{6}{5}}$, then the value of $\sqrt{2-42x}$ is :

CHSL 18/03/2020 (Morning)

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

219. If $\frac{4}{1+\sqrt{2}+\sqrt{3}}=a+b\sqrt{2}+x\sqrt{3}-d\sqrt{6}$, where a, b, c, d are natural number, then the value of a + b + c + d is :

CHSL 18/03/2020 (Morning)

(a) 0 (b) 2
(c) 4 (d) 1

220. The value of 8 – [8 – (5 + 8) – {8 – (8 – 5 + 8)} + 10] is :

CHSL 19/03/2020 (Morning)

(a) 5 (b) 20
(c) 0 (d) 10

221. Simplify the expression

$25-[16-\{14-(18-\overline{8+3})\}]$

CHSL 19/03/2020 (Afternoon)

(a) 14 (b) 15
(c) 17 (d) 16

222. The value of 7 + [44 ÷ 4 + {9 × 2 – 14 ÷ 7} + 5 × 2] is :

CHSL 19/03/2020 (Evening)

(a) 55 (b) 33
(c) 67 (d) 44

223. The value of $\left(2.\overline{4}\times0.\overline{6}\times3\times0.1\overline{6}\right)\times\left[0.\overline{27}\times\left(0.8\overline{3}\times0.1\overline{6}\right)\right]$ is :

CGL Mains Tier-II (15/10/2020)

(a) $0.\overline{814}$ (b) $0.\overline{11}$
(c) $1.\overline{1}$ (d) $1.\overline{36}$

224. If $\frac{1}{4-\sqrt{8}}+\frac{3+2\sqrt{2}}{3-2\sqrt{2}}-\frac{3-2\sqrt{2}}{3+2\sqrt{2}}=a+b\sqrt{2}$, then what is the value of (3a + 4b)?

CGL Mains Tier-II (15/10/2020)

(a) $99\frac{1}{2}$ (b) 97
(c) $98\frac{1}{3}$ (d) 98

225. The value of $\left[\frac{4}{7}\text{of }2\frac{4}{5}\times1\frac{2}{3}-\left(3\frac{1}{2}-2\frac{1}{6}\right)\right]\div\left(3\frac{1}{5}\div4\frac{1}{2}\text{of }5\frac{1}{3}\right)$ is ?:

CGL Mains Tier-II (15/10/2020)

(a) 10 (b) $7\frac{1}{2}$
(c) 15 (d) $1\frac{1}{3}$

226. Let $x = \left(\frac{\sqrt{1875}}{\sqrt{3888}} \div \frac{\sqrt{1200}}{\sqrt{768}}\right) \times \frac{\sqrt{175}}{\sqrt{1792}}$, then $\sqrt{x}$ is equal to :

CGL Mains Tier-II (15/10/2020)

(a) $\frac{7}{12}$ (b) $\frac{4}{9}$

(c) $\frac{5}{12}$ (d) $\frac{5}{9}$

227. The expression $\frac{15\left(\sqrt{10}+\sqrt{5}\right)}{\sqrt{10}+\sqrt{20}+\sqrt{40}-\sqrt{5}-\sqrt{80}}$ is equal to :

CGL Mains Tier-II (15/10/2020)

(a) $5+2\sqrt{2}$ (b) $5-2\sqrt{2}$

(c) $5\left(3+2\sqrt{2}\right)$ (d) $10\left(3+2\sqrt{5}\right)$

228. The value of 3 ÷ 18 of 3 × 6 + 21 × 6 ÷ 18 – 3 ÷ 2 + 3 – 3 ÷ 9 of 3 × 9 is :

CGL Mains Tier-II (15/10/2020)

(a) $\frac{47}{6}$ (b) $\frac{41}{9}$

(c) $\frac{15}{9}$ (d) $\frac{29}{6}$

229. The value of $\frac{0.0203 \times 2.92}{0.7 \times 0.0365 \times 2.9} \div \frac{(12.12)^2-(8.12)^2}{(0.25)^2+(0.25)(19.99)}$ is :

CGL Mains Tier-II (15/10/2020)

(a) 0.05 (b) 0.5

(c) 0.1 (d) 0.01

230. The value of $0.\overline{57} - 0.4\overline{32} + 0.3\overline{5}$ is :

CGL 2019 Tier-II (16/11/2020)

(a) $0.\overline{494}$ (b) $0.\overline{498}$

(c) $0.49\overline{8}$ (d) $0.49\overline{4}$

231. If $\sqrt{11-3\sqrt{8}} = a+b\sqrt{2}$, then what is the value of (2a + 3b)?

CGL 2019 Tier-II (16/11/2020)

(a) 5 (b) 7

(c) 9 (d) 3

232. The value of $3\frac{1}{5} \div 4\frac{1}{2}$ of $5\frac{1}{3} + \frac{1}{8} \div \frac{1}{2}$ of $\frac{1}{4} - \frac{1}{4}\left(\frac{1}{2} \div \frac{1}{8} \times \frac{1}{4}\right)$ is :

CGL 2019 Tier-II (16/11/2020)

(a) $\frac{53}{60}$ (b) $\frac{13}{15}$

(c) $\frac{7}{8}$ (d) $\frac{3}{4}$

233. The value of 4 ÷ 12 of [3 ÷ 4 of {(4 – 2)× 6 ÷ 2}] – 2 × 6 ÷ 8 + 3 is :

CGL 2019 Tier-II (16/11/2020)

(a) $4\frac{1}{6}$ (b) $7\frac{1}{6}$

(c) $2\frac{1}{3}$ (d) $3\frac{1}{3}$

234. The value of $\frac{7+3\sqrt{5}}{3+\sqrt{5}} - \frac{7-3\sqrt{5}}{3-\sqrt{5}}$ lies between :

CGL 2019 Tier-II (16/11/2020)

(a) 2 and 2.5 (b) 3 and 3.5

(c) 1.5 and 2 (d) 2.5 and 3

235. If $\frac{8+2\sqrt{3}}{3\sqrt{3}+5} = a\sqrt{3} - b$, then the value of a + b is equal to :

CGL 2019 Tier-II (18/11/2020)

(a) 18 (b) 15

(c) 16 (d) 24

236. If $x = \sqrt{-\sqrt{3}+\sqrt{3+8\sqrt{7+4\sqrt{3}}}}$ where x > 0, then the value of x is equal to :

CGL 2019 Tier-II (18/11/2020)

(a) 2 (b) 3

(c) 4 (d) 1

237. The value of $5 - \frac{8+2\sqrt{15}}{4} - \frac{1}{8+2\sqrt{15}}$ is equal to :

CGL 2019 Tier-II (18/11/2020)

(a) $\frac{2}{3}$ (b) 1

(c) $\frac{1}{2}$ (d) $\frac{1}{4}$

238. Evaluate the following :

$5 - [96 \div 4 \text{ of } 3 - (16 - 55 \div 5)]$

CGL 2019 Tier-II (18/11/2020)

(a) 0 (b) 3

(c) 2 (d) 4

239. The value of $8 - 3 \div 6 \text{ of } 2 + (4 \div 4 \text{ of } \frac{1}{4}) \div 8 + (4 \times 8 \div \frac{1}{4}) \times \frac{1}{8}$.

CPO 23/11/2020 (Morning)

(a) $-\frac{7}{4}$ (b) $\frac{7}{4}$

(c) $-\frac{97}{4}$ (d) $\frac{97}{4}$

240. The value of $\frac{40 - \frac{3}{4} \text{ of } 32}{37 - \frac{3}{4} \text{ of } (34 - 6)}$ is :

CPO 23/11/2020 (Morning)

(a) 1 (b) 0

(c) $-\frac{1}{2}$ (d) $\frac{1}{2}$

241. The value of

$\left(5\frac{1}{4} \div \frac{3}{7} \text{ of } \frac{1}{2}\right) \div \left(5\frac{1}{9} - 7\frac{7}{8} \div 9\frac{9}{20}\right) \times \frac{11}{21} - \left(5 \div 2 \text{ of } \frac{1}{2}\right)$ is :

CPO 23/11/2020 (Evening)

(a) $\frac{35}{24}$ (b) 0

(c) $\frac{15}{28}$ (d) -2

242. The value of

$3\frac{1}{3} \div 2\frac{1}{2} \text{ of } 1\frac{3}{5} + \left(\frac{3}{8} + \frac{1}{7} \times 1\frac{3}{4}\right)$ is :

CPO 23/11/2020 (Evening)

(a) $\frac{55}{24}$ (b) $\frac{35}{24}$

(c) $\frac{5}{24}$ (d) $\frac{25}{24}$

243. The value of

$2\frac{1}{3} \div 2\frac{1}{2} \text{ of } 1\frac{3}{5} + \left(\frac{3}{8} + \frac{1}{7} \times 1\frac{3}{4}\right)$ is :

CPO 24/11/2020 (Morning)

(a) $\frac{35}{24}$ (b) $\frac{25}{24}$

(c) $\frac{5}{24}$ (d) $\frac{29}{24}$

244. The value of $\left(5 \div 2 \text{ of } \frac{1}{2}\right) \div \left(5\frac{1}{4} \div \frac{3}{7} \text{ of } \frac{1}{2}\right) \div \left(5\frac{1}{9} - 7\frac{7}{8} + 9\frac{9}{20}\right) \times \frac{11}{21}$ is :

CPO 24/11/2020 (Morning)

(a) -2 (b) 8

(c) $\frac{35}{24}$ (d) $\frac{15}{28}$

245. The value of $\frac{2}{3} \div \frac{1}{10} \text{ of } \frac{4}{9} - \frac{4}{5} \times 1\frac{1}{9} \div \frac{8}{15} - \frac{3}{4} + \frac{3}{4} \div \frac{1}{2}$ is :

CPO 24/11/2020 (Evening)

(a) $\frac{49}{12}$ (b) $\frac{25}{6}$

(c) $\frac{17}{9}$ (d) $\frac{14}{3}$

246. The value of $-7 \div [5 + 1 \div 2 - \{4 + (4 \text{ of } 2 \div 4) + (4 \div 4 \text{ of } 2)\}]$ is :

CPO 24/11/2020 (Evening)

(a) 7 (b) $\frac{7}{2}$

(c) $-\frac{7}{2}$ (d) -7

247. The value of $\dfrac{40+\frac{3}{4}\text{ of }32}{37+\frac{3}{4}\text{ of }(34-6)}$ is :

CPO 25/11/2020 (Morning)

(a) $1\frac{3}{29}$ (b) $2\frac{1}{29}$

(c) $-1\frac{3}{29}$ (d) $1\frac{9}{29}$

248. The value of $1-3\div 6 \text{ of } 2+(4\div 4 \text{ of } \frac{1}{4})\div 8+\left(4\times 8\div\frac{1}{4}\right)\times\frac{1}{8}$ is :

CPO 23/11/2020 (Morning)

(a) $-\frac{69}{4}$ (b) $\frac{69}{4}$

(c) $\frac{7}{4}$ (d) $-\frac{7}{4}$

249. The value of

$\frac{2}{3}\div\frac{1}{10}\text{ of }\frac{4}{9}-\frac{4}{5}\times 1\frac{1}{9}\div\frac{8}{15}+\frac{3}{4}\div\frac{1}{2}$ is

CPO 23/11/2020 (Morning)

(a) $\frac{49}{12}$ (b) $\frac{17}{9}$

(c) $\frac{29}{6}$ (d) $\frac{14}{3}$

250. The value of $7\div[5+1\div 2-\{4+(4 \text{ of } 2\div 4)+(5\div 5 \text{ of } 2)\}]$ is :

CPO 23/11/2020 (Morning)

(a) 7 (b) $\frac{7}{2}$

(c) $-\frac{7}{2}$ (d) -7

Answer Key

1.(d)	**2.**(d)	**3.**(c)	**4.**(b)	**5.**(b)	**6.**(d)	**7.**(a)	**8.**(c)	**9.**(a)	**10.**(a)
11.(a)	**12.**(d)	**13.**(c)	**14.**(d)	**15.**(d)	**16.**(c)	**17.**(a)	**18.**(d)	**19.**(b)	**20.**(b)
21.(d)	**22.**(b)	**23.**(c)	**24.**(d)	**25.**(c)	**26.**(c)	**27.**(d)	**28.**(c)	**29.**(d)	**30.**(a)
31.(a)	**32.**(b)	**33.**(a)	**34.**(b)	**35.**(d)	**36.**(a)	**37.**(c)	**38.**(d)	**39.**(d)	**40.**(c)
41.(a)	**42.**(c)	**43.**(d)	**44.**(a)	**45.**(c)	**46.**(b)	**47.**(b)	**48.**(a)	**49.**(d)	**50.**(b)
51.(b)	**52.**(c)	**53.**(a)	**54.**(c)	**55.**(d)	**56.**(d)	**57.**(a)	**58.**(d)	**59.**(d)	**60.**(a)
61.(c)	**62.**(b)	**63.**(c)	**64.**(b)	**65.**(b)	**66.**(c)	**67.**(a)	**68.**(d)	**69.**(d)	**70.**(b)
71.(c)	**72.**(d)	**73.**(a)	**74.**(d)	**75.**(d)	**76.**(b)	**77.**(b)	**78.**(a)	**79.**(c)	**80.**(c)
81.(c)	**82.**(d)	**83.**(c)	**84.**(c)	**85.**(b)	**86.**(b)	**87.**(d)	**88.**(c)	**89.**(d)	**90.**(a)
91.(d)	**92.**(a)	**93.**(d)	**94.**(b)	**95.**(d)	**96.**(d)	**97.**(c)	**98.**(c)	**99.**(a)	**100.**(c)
101.(c)	**102.**(b)	**103.**(c)	**104.**(a)	**105.**(d)	**106.**(d)	**107.**(a)	**108.**(d)	**109.**(d)	**110.**(c)
111.(c)	**112.**(c)	**113.**(b)	**114.**(c)	**115.**(a)	**116.**(c)	**117.**(a)	**118.**(d)	**119.**(d)	**120.**(b)
121.(a)	**122.**(c)	**123.**(b)	**124.**(c)	**125.**(c)	**126.**(c)	**127.**(a)	**128.**(a)	**129.**(b)	**130.**(d)
131.(c)	**132.**(b)	**133.**(a)	**134.**(b)	**135.**(c)	**136.**(b)	**137.**(d)	**138.**(a)	**139.**(c)	**140.**(c)
141.(b)	**142.**(d)	**143.**(c)	**144.**(d)	**145.**(a)	**146.**(c)	**147.**(d)	**148.**(c)	**149.**(d)	**150.**(d)
151.(d)	**152.**(d)	**153.**(a)	**154.**(a)	**155.**(b)	**156.**(a)	**157.**(a)	**158.**(a)	**159.**(a)	**160.**(a)
161.(c)	**162.**(d)	**163.**(c)	**164.**(a)	**165.**(a)	**166.**(d)	**167.**(b)	**168.**(c)	**169.**(d)	**170.**(a)
171.(b)	**172.**(b)	**173.**(b)	**174.**(a)	**175.**(c)	**176.**(b)	**177.**(b)	**178.**(d)	**179.**(d)	**180.**(a)
181.(d)	**182.**(d)	**183.**(b)	**184.**(b)	**185.**(d)	**186.**(d)	**187.**(a)	**188.**(b)	**189.**(a)	**190.**(c)
191.(a)	**192.**(a)	**193.**(b)	**194.**(b)	**195.**(b)	**196.**(b)	**197.**(c)	**198.**(a)	**199.**(c)	**200.**(b)
201.(b)	**202.**(b)	**203.**(b)	**204.**(b)	**205.**(b)	**206.**(d)	**207.**(a)	**208.**(d)	**209.**(d)	**210.**(b)
211.(a)	**212.**(a)	**213.**(d)	**214.**(b)	**215.**(b)	**216.**(d)	**217.**(a)	**218.**(a)	**219.**(c)	**220.**(c)
221.(d)	**222.**(d)	**223.**(c)	**224.**(c)	**225.**(a)	**226.**(c)	**227.**(c)	**228.**(a)	**229.**(a)	**230.**(c)
231.(d)	**232.**(a)	**233.**(a)	**234.**(a)	**235.**(a)	**236.**(a)	**237.**(b)	**238.**(c)	**239.**(d)	**240.**(a)
241.(d)	**242.**(b)	**243.**(d)	**244.**(b)	**245.**(a)	**246.**(a)	**247.**(a)	**248.**(b)	**249.**(c)	**250.**(d)