NUMBER SERIES

1.13 39 195 ? 12285
A) 1365 B) 1300 C) 1360 D) 1313 E) 1345
2.2 3 6 ? 108 1944
A) 13 B) 11 C) 15 D) 18 E) 10
3.2 ? 10 17 26 37 50
A) 7 B) 4 C) 5 D) 8 E) 10
4.54 43 34 ? 22 19 18
A) 21 B) 27 C)25 D) 20 E) 26
5.5040 840 168 ? 1 4 7
A) 40 B) 42 C) 53 D) 45 E) 44
6.9 16 30 58 ?
A) 95 B) 100 C) 121 D) 111 E) 114
7.5 ? 41 86 149
A) 22 B) 7 C) 14 D) 40 E) 28
8.3 10 41 206 ? 8660
A) 1237 B) 1456 C) 1515 D) 1200 E) 1534
9.8 10 6 4 3 ?
A) 3 B) 1.5 C) 1 D)2.5 E) 3.5
10.1 6 15 ? 45 66 91
A) 18 B) 25 C) 28 D) 42 E) 30

Approximate Calculations

1.√? + √1335 * 24 – 13.96 = 895
A) 1855 B) 2025 C) 1950 D) 2125 E) None
2.(42.03% of 495.04 + 58.02% of 1200) / 9 = ?
A) 266.7 B) 235.6 C) 284.3 D) 312.5 E) None
3.3(9117.88 – 8021.85 + 903.92) * 12 = 1500 * ?
A) 15 B) 18 C) 24 D) 22 E) None
4.{(4/7*15/4) / (3.5 -1.2) }^{2} = ?
A) 1.05 B) 0.76 C) 1.25 D) 0.87 E) None
5.If x=3.5 , y=4.5 , then {(y-x) (y-x)/y+x}*xy = ?
A) 3 B) 2 C) 1.85 D) 1.8 E) None
6.(87.65% of 7159.89 – 68.99% of 8939.89) * 6.06 = (?)^2
A) 20 B) 24 C) 28 D) 32 E) None
7.35 5/7% of 6510 + 77 7/9% of 5886 = ?% of 6126 + 50% of 5638
A) 49.5 B) 58.35 C) 54 D) 66.66 E) None
8.854.926 – 562.005 – 115.98 = 22.6% of (?)
A) 804 B) 795 C) 826 D) 844 E) None
9.(750/45) / 11/781 * 114/95 = ?
A) 1355 B) 1345 C) 1420 D) 1653 E) None
10.15.33^2 – 12.94^2 + 22.06^2 – 35.65 = ?
A) 511 B) 504 C) 631 D) 585 E) None

BODMAS

26. $18\frac{2}{3} + 7\frac{1}{2} = ?$
A. 26 B. 19 C. 26 D. 25 E. None of these
27. $(38)^2 + (63)^2 + (?)^2 = 6089$
A. 26 B. 24 C. 28 D. 32 E. None of these
28. $-224 + (-314) \times (-9) = ?$
A. – 547 B. 2602 C. + 547 D. – 2602 E. None of these
29. $8.7 + 6.2 \times 7.5 = ?$
A. 55.04 B. 55.02 C. 66.48 D. 104.02 E. None of these
30. $64344 + 5239 + 4423 + 123 = ?$
A. 74126 B. 74223 C. 74129 D. 75624 E. None of these
31. $[(3)^3 \times (5)^4] \div (3)^5 = ?$
A. 30.44 B. 39.55 C. 35.44 D. 69.44 E. None of these
32. $(608.40 \times ?) \div 225 + 37 = 375$
A. 115 B. 135 C. 130 D. 125 E. 132
33. $12.25 \times 7.2 + 84.33 = ?$
A. 182.51 B. 177.44 C. 174.33 D. 172.53 E. None of these
34. $\sqrt{\ } + 416 = (60\% \text{ of } 920) - 110$
A. 576 B. 676 C. 784 D. 1024 E. 1156
35. $(14896 \div 19) \div 16 = ?$
A. 49 B. 54 C. 58 D. 62 E. 67
36. $[(4)^3 \times (5)^4] \div (4)^5 = ?$
A. 30.0925 B. 39.0625 C. 35.6015 D. 29.0825 E. None of these
37. $8195 \div 745 + ? \times 12 = 7847$
A. 648 B. 593 C. 601 D. 653 E. None of these
38. $7\frac{2}{7} \text{ of } 189 + 452 = 2000 - ?$
A. 183 B. 164 C. 170 D. 198 E. None of these
39. $(45)^2 + (21)^2 = (?)^2 + 257$
A. 51 B. 49 C. 45 D. 47 E. None of these
40. $65\% \text{ of } 400 + \sqrt{\ } = 44\% \text{ of } 800 - 12\% \text{ of } 400$

A. 1936 B. 44 C. 2115 D. 46 E. None of these

41. $\frac{7}{5}$ of 58 + $\frac{3}{8}$ of 139.2 = ?

A. 133.4 B. 137.2 C. 127.8 D. 131.6 E. None of these

42. 12% of 555 + 15% of 666 = ?

A. 166.5 B. 167.5 C. 168.5 D. 169.5 E. None of these

43. 84368 + 65466 – 72009 – 13964 = ?

A. 61481 B. 62921 C. 63861 D. 64241 E. None of these

44. 337.8 × 331.2 ÷ 335 = 33 × 33?

A. 2.8 B. 3 C. 3.2 D. 4 E. 6

45. $\frac{?}{529} = \frac{324}{?}$

A. 404 B. 408 C. 410 D. 414 E. 416

46. 8965 + 3974 + 8652 + 185 = ?

A. 21766 B. 21776 C. 20776 D. 19776 E. None of these

47. $\frac{2}{3}$ of 117 – $\frac{3}{5}$ of 65 = ?

A. 40 B. 58 C. 52 D. 39 E. None of these

48. $\frac{5}{12} + \frac{11}{32} \div \frac{73}{48} = ?$

A. 3/7 B.3/4 C.1/4 D.1/3 E. None of these

49. 38% of 7500 + ?% of 375 = 50% of 6000

A. 40 B. 50 C. 60 D. 70 E. None of these

50. 29(119 ÷ 17) – 149 + 2006 = ?

A. 2070 B. 2160 C. 2060 D. 1006 E. None of these

NUMBER SERIES KEY

1. **Option A**
Solution:
13 * 3 = 39
39 * 5 = 195
195 * 7 = 1365
1365 * 9 = 12285

2. Option D
Solution:
2
3
2*3 = 6
3*6 = 18
6*18 = 108
18*108 = 1944

3. Option C
Solution:
1^2 + 1 = 2
2^2 + 1 = 5
3^2 + 1 = 10
4^2 + 1 = 17
5^2 + 1 = 26
6^2 + 1 = 37
7^2 + 1 = 50

4. Option
54 – 43 = 11
43 – 34 = 9
34 – 27 = 7
27 – 22 = 5
22 – 19 = 3
19 – 18 = 1
Solution:

5. Option B
Solution:
5080/6 = 840
840/5 = 168
168/4 = 42
42/ 3 = 14
14/2 = 7

6. Option E
Solution:
9 + 7 = 16
16 + 14 = 30
30 + 28 = 58
58 + 56 = 114

7. Option C
Solution:
5 + (9*1) = 14
14 + (9*3) = 41
41 + (9*5) = 86
86 + (9*7) = 149

8. Option A
Solution:
3 * 3 + 1 = 10
10 * 4 + 1 = 41
41 * 5 + 1 = 206
206 * 6 + 1 = 1237
1237 * 7 + 1 = 8660

9. Option D
Solution:
18 – 8 = 10
10 – 4 = 6
6 – 2 = 4
4 – 1 = 3
3 – 0.5 = 2.5

10. Option C
Solution:
1 + 5 = 6
6 + 9 = 15
15 + 13 = 28
28 + 17 = 45
45 + 21 = 66
66 + 25 = 91

Approximate Calculations KEY

1.Option B
Solution:
√? +36*24 -14=895
√? +850=895
√?=45
X=45*45=2025.

2. Option C
Solution:
(207+696)/9=284.3.

3. Option A
Solution:
(9118-8022+904) *12 =1500* ?
(2000*12 /1500) = x
X=15.
4. Option D
Solution:
$[(60/28)/2.3]^2$ =x
X={15/16}^{2} ==> 0.87.
5. Option B
Solution:
{(1*1)/8*15.75}= x
X= 15.75/8=2.
6. Option C
Solution:
(6300 – 6168) * 6 =x ^{2}
132 * 6 = x ^{2}
792= x ^{2}
ie x=28.
7. **Option D**
Solution:
250/7% of 6510 + 700/9 % of 5886 =?% of 6126 + 50% of 5638
2325 + 4578 – 2819 = x/100 *6126 +2819
(4084 *100) /6126 = x
X=66.66.
8. Option A
Solution:
855 – 562 – 116 = 22.6% of x
177 =22/100 * x
X=804.
9. Option C
Solution:
750/45 * 781/11* 114/95
=(10*71*36)/ 19
=1420.
10. Option B
Solution:
15 ^{2} -13^2 + 22^2 -35.65 = x
225-169+484-35.65 = x
X= 504.

BODMAS KEY

		31	D	41	A
		32	D	42	A
		33	D	43	C
		34	B	44	B
		35	A	45	D
26	C	36	B	46	B
27	A	37	D	47	D
28	B	38	E	48	E
29	E	39	D	49	A
30	C	40	A	50	C