

NUMBER SERIES

1. 11, 5, 4, 4.5, 7, 16, 42

A.5 B.4 C.4.5 D.7 E.16

2. 5, 9, 27, 57, 121, 225, 379

A.9 B.27 C.57 D.121 E.225

3. 8, 7, 16, 45, 181, 915, 5496

A.7 B.16 C.45 D.181 E.915

4. 34, 71, 97, 110, 124, 129, 131

A.71 B.97 C.110 D.124 E.129

5. 11, 12, 26, 71, 328, 1645, 9876

A.12 B.26 C.71 D.328 E.1645

6. 14, 8, 9, 17, 30, 76, 229

A.8 B.9 C.17 D.30 E.76

7. 125, 129, 121, 137, 105, 149, 41

A.129 B.121 C.137 D.105 E.149

8. 13, 15, 18, 27, 43, 75, 139

A.15 B.18 C.27 D.43 E.75

9. 4, 6, 9, 31, 124, 601, 3599

A.6 B.9 C.31 D.124 E.601

10. 6, 13, 27, 55, 111, 229, 447

A.13 B.27 C.55 D.111 E.229

Approximate Calculations

1. 32% of 450 – 14 × 12 + 256 = x

A.271 B.209 C.266 D.287 E.232

2. 45% of 480 + x% of 360 – 425 of 450 = 153

A.45 B.65 C.25 D.35 E.15

3. 992 ÷ 16 – 18 × 16 + 24% of 350 = x

A.-192 B.-142 C.-126 D.-163 E.-175

4. 17 × 23 – 14 × 34 + 18 × x = 347

A.24 B.36 C.26 D.37 E.43

5. 36% of x + 18% of 350 – 45% of 560 = 45

A.450 B.650 C.√320 D.750 E.580

6. 1292 ÷ x + 35% of 380 – 126 = 83

A.16 B.23 C.13 D.17 E.21

7. √2116 + 1292 ÷ 19 – √x = 61

A.1849 B.3481 C.2809 D.2401 E.None of these

8. 34² – 35% of 260 – 18 × 23 = x

A.922 B.456 C.287 D.365 E.651

9. x² – √3249 – 45% of 840 = 406

A.23 B.33 C.,29 D.32 E.39

10. 12 × 19 – 1054 ÷ 17 – 1134 ÷ 18 = x

A.103 B.198 C.145 D.98 E.86

NUMBER SERIES KEY

1. Option E

Solution: $*0.5 - 0.5, *1 - 1, *1.5 - 1.5, *2 - 2, *2.5 - 2.5, *3 - 3$

2. Option B

Solution:

5.....9.....23.....57.....121.....225.....379
.....4.....14.....34.....64.....104.....154
.....+10.....+20.....+30.....+40.....+50

3. Option D

Solution: $*1 - 1, *2 + 2, *3 - 3, *4 + 4, *5 - 5, *6 + 6$

4. Option C

Solution: $+(6^2+1), +(5^2+1), +(4^2+1), +(3^2+1), +(2^2+1), +(1^2+1)$

5. Option C

Solution: $*1 + 1, *2 + 2, *3 + 3, *4 + 4, *5 + 5, *6 + 6$

6. Option C

Solution: $*0.5 + 1, *1 + 1, *1.5 + 1, *2 + 1, *2.5 + 1, *3 + 1$

7. Option E

Solution: $+4, -8, +16, -32, +64, -128$

8. Option B

Solution: $+2^1, +2^2, +2^3, +2^4, +2^5, +2^6$

9. Option D

Solution: $*1+2, *2-3, *3+4, *4-5, *5+6, *6-7$

10. Option E

Solution: $*2 + 1, *2 + 1, *2 + 1, *2 + 1, *2 + 1, *2 + 1$

Approximate Calculations Key

1. Option E

2. Option D

3. Option C

4. Option A

5. Option B

6. Option D

7. Option C

8. Option E

9. Option C

10. Option A