

Approximate Calculations

Directions (1-15): What approximate value should come in the place of question mark (?) in the following questions?

1) ? % of 699 – 24 % of 1548 – (11/17) of (35/18) of 71 = 30

a) 70 b) 90 c) 50 d) 110 e) 140

2) $15 \frac{11}{12}$ % of 298 + (3/11) of 51644 + (14.21)² = ?

a) 15120 b) 18560 c) 11440 d) 12750 e) 14330

3) $35 \times 55 \div 8 - 26$ % of 689 + 9³ = ? - (11479 \div 7)

a) 5280 b) 4140 c) 2430 d) 3370 e) 4560

4) (3374 \div 125.13)^{1/3} + (362 \div 11) = ?² – 27.79

a) 13 b) 8 c) 16 d) 21 e) 23

5) ? – (11.13)² \div 363 \times 121 + (7.1)³ = 16 % of 249 + (5669 \div 7)

a) 430 b) 370 c) 620 d) 550 e) 680

6) ? = (4128 + 574) \div 25 + (18.23)² + (2/15) of 12524 – 24

a) 2540 b) 3120 c) 2160 d) 3480 e) 3950

7) 1399.99 \div 20.21 = ? + 425.5 - (310 \div 6 \times 20.3)

a) 750 b) 520 c) 840 d) 430 e) 680

8) 21.85 \times 5.18 + (64.13)² \div 15.91 = ? - 28 % of 899

a) 560 b) 620 c) 750 d) 440 e) 800

9) 52 % of 2149 + (18.13)² \div 12 \times 3 + (23.2)² = 3.9 \times ?

a) 565 b) 520 c) 470 d) 430 e) 600

10) (22/13) \div (155/258) \times 517 = ? – (12.11)³

a) 4850 b) 3210 c) 4670 d) 4150 e) 3690

11) $15 \frac{7}{8} + 23 \frac{1}{3} - 8 \frac{1}{7} + 1 \frac{3}{4} = ? + 5 \frac{5}{7}$

a) 44 b) 38 c) 15 d) 32 e) 27

12) 34478 \div 8 + (3/13) of 12154 + 30 % of 599 = ?2 – 274

a) 93 b) 74 c) 87 d) 68 e) 82

13) $\sqrt{(21609) \div 7.12 \times 15.21} = ? - 16759 \div 9$

a) 2850 b) 3435 c) 2180 d) 1965 e) 1350

14) 34484 \div 11 + (5/9) of 12149 + 56 % of 8978 = ?2 – 451.32

a) 118 b) 132 c) 136 d) 130 e) 124

15) (17.77)² - (7/4) \times 36 \div 9 + (3.12)³ = ? + (11.13)2

a) 185 b) 223 c) 162 d) 157 e) 140

NUMBER SERIES

Directions (1-15): What value should come in the place of (?) in the following number series?

1) 98, 187, 94, 183, 90, 179, ?

A.82 B.87 C.89 D.86 E.None of these

2) 62, 124, 310, ?, 3255, 13020

A.930 B.927 C.920 D.945 E.None of these

3) 2, 13, 64, 257, 770, ?, 1540

A.1541 B.1342 C.1145 D.1256 E.1538

4) 85, 110, 94, 103, 99, ?

A.20 B.60 C.80 D.100 E.110

5) 23, 11.5, 11.5, 23,?, 736

A.94 B.92.5 C.92 D.86.5 E.46

6) 789, 900, 1122, ?, 1899, 2454

A.1155 B.1455 C.1200 D.1400 E.1500

7) 2, 17, 121, 729, ?, 14601

A. 3649 B. 3278 C. 3962 D. 3783 E. 3564

8) 24, 36, 63, ?, 283.5, 708.75

A. 120 B. 121 C. 124 D. 125 E. 126

9) 156, 182, 210, ?, 272, 306

A. 220 B. 240 C. 200 D. 260 E. 280

10) 205, 277, 319, 339, ?

A. 354 B. 355 C. 364 D. 364 E. 345

11) 11, 26, 47, 74, 107, ?

A.146 B.128 C.132 D.158 E.169

12) 17, 81, 131, 169, 197, ?

A.206 B.229 C.217 D.201 E.218

13) 18, 22, 34, 70, 178, ?

A.418 B.502 C.398 D.385 E.391

14) 16, 40, 140, 630, ?, 22522.5

A.3485 B.3380 C.3930 D.3465 E.3845

15) 12, 7, 9, 21, 88, 709, ?

A.11350 B.12360 C.11250 D.11360 E.15320

Approximate Calculations

- 1) Answer: a)
- 2) Answer: e)
- 3) Answer: c)
- 4) Answer: b)
- 5) Answer: d)
- 6) Answer: c)
- 7) Answer: e)
- 8) Answer: b)
- 9) Answer: d)
- 10) Answer: b)
- 11) Answer: e)
- 12) Answer: c)
- 13) Answer: c)
- 14) Answer: e)
- 15) Answer: b)

NUMBER SERIES

- 1) Answer: D
- 2) Answer: A
- 3) Answer: A
- 4) Answer: D
- 5) Answer: C
- 6) Answer: B
- 7) Answer: A
- 8) Answer: E
- 9) Answer: B
- 10) Answer: E
- 11) Answer: A
- 12) Answer: C
- 13) Answer: B
- 14) Answer: D
- 15) Answer: A

