Q:1 What approximate value should come in the place of question mark (?) in the following question?
$(26.913)^2 × 6.01 ÷ 6.12 + (7.13)^3 + 40.02 = ? − 210.75$
1. 1689
2. 1495
3. 1323
5. 1539

Q:2 What approximate value should come in the place of question mark (?) in the following question?
$198.14 × 153.95 ÷ 76.77 + 177.94 − 294.77 = ?$
1. 139
2. 195
3. 213
5. 233

Q:3 What approximate value should come in the place of question mark (?) in the following question?
19.73% of $999.82 × \sqrt{289.09} ÷ 17.29 × 4.98 = ?^2 − 15.034^2$
1. 25
2. 15
3. 35
5. 20

Q:4 What approximate value should come in the place of question mark (?) in the following question?
$17.782^2 − 14.122^2 + (2349.75 + 80.25) ÷ ? = 229.92$
1. 16
2. 24
3. 26
5. 25

Q:5 What approximate value should come in the place of question mark (?) in the following question?
$3.97 × 8.01 × 1.99 ÷ 2.01 = 2.01^?$
1. 5
2. 4
3. 7
5. 1

Q:6 What approximate value should come in the place of question mark (?) in the following question?
$9.89 × 4.99 + 2.01 × 49.89 = ?\%$ of 299.69
1. 25
2. 40
3. 50
5. 10

Q:7 What approximate value should come in the place of question mark (?) in the following question?
$4.99 × 55.01 × 554.64 = ? × 110.85 × 11.15$
1. 125
2. 75
3. 255
5. 150

Q:8 What approximate value should come in the place of question mark (?) in the following question?
$9.99 + 19.99 + 29.99 + 39.99 = ?^2$
1. 6
2. 8
3. 12
5. 10

Q:9 What approximate value should come in the place of question mark (?) in the following question?
19.89% of $449.67 + 14.67\%$ of $299.89 − 9.89\%$ of $99.79 = ?$
1. 75
2. 150
3. 125
5. 175

Q:10 What approximate value should come in the place of question mark (?) in the following question?
$5.25 × 4.09 + 3.99 × 9.67 + 6.01 × 14.88 = ?$
1. 150
2. 120
3. 80
5. 200

Answer Key

1. (3)	**2.** (4)	**3.** (3)	**4.** (2)	**5.** (1)
6. (3)	**7.** (1)	**8.** (5)	**9.** (3)	**10.** (1)

Answers and Solutions

Q:1 The correct answer is **Option 3** i.e. **1323**

$(26.913)^2 \times 6.01 \div 6.12 + (7.13)^3 + 40.02 = ? - 210.75$

Taking Approx Values:

$\Rightarrow (27)^2 \times 6 \div 6 + (7)^3 + 40 = ? - 211$

$\Rightarrow 729 \times 6 \div 6 + 343 + 40 = ? - 211$

$\Rightarrow 729 \times 1 + 343 + 40 = ? - 211$

$\Rightarrow 1112 = ? - 211$

$\Rightarrow ? = 1323$

Q:2 The correct answer is **Option 4** i.e. **279**

$198.14 \times 153.95 \div 76.77 + 177.94 - 294.77 = ?$

Taking Approx Values:

$\Rightarrow 198 \times 154 \div 77 + 178 - 295 = ?$

$\Rightarrow 198 \times 2 + 178 - 295 = ?$

$\Rightarrow 396 + 178 - 295 = ?$

$\Rightarrow ? = 279$

Q:3 The correct answer is **Option 3** i.e. **35**

$19.73\% \text{ of } 999.82 \times \sqrt{289.09} \div 17.29 \times 4.98 = ?^2 - 15.034^2$

Taking Approx Values:

$\Rightarrow 20\% \text{ of } 1000 \times \sqrt{289} \div 17 \times 5 = ?^2 - 15^2$

$\Rightarrow 200 \times 17 \div 17 \times 5 = ?^2 - 15^2$

$\Rightarrow 200 \times 1 \times 5 = ?^2 - 15^2$

$\Rightarrow 1000 = ?^2 - 225$

$\Rightarrow ? = 35$

Q:4 The correct answer is **Option 2** i.e. **24**

$17.782^2 - 14.122^2 + (2349.75 + 80.25) \div ? = 229.92$

Taking approximate values:

$\Rightarrow (18)^2 - (14)^2 + (2350 + 80) \div ? = 230$

$\Rightarrow 324 - 196 + (2430) \div ? = 230$

$\Rightarrow 2430 \div ? = 102$

$\Rightarrow ? = 23.82 = 24$

Q:5 The correct answer is **Option 1** i.e. **5**

$3.97 \times 8.01 \times 1.99 \div 2.01 = 2.01^?$

Taking Approx. Values:

$\Rightarrow 4 \times 8 \times 2 \div 2 = 2^?$

$\Rightarrow 4 \times 8 \times 1 = 2^?$

$\Rightarrow 32 = 2^?$

$\Rightarrow 2^5 = 2^?$

$\Rightarrow ? = 5$

Q:6 The correct answer is **option 3** i.e **50.**

$9.89 \times 4.99 + 2.01 \times 49.89 = ?\% \text{ of } 299.69$

Taking approximate values,

$10 \times 5 + 2 \times 50 = ?\% \times 300$

$150/300 = ?/100$

$? = 50$

Q:7 The correct answer is **option 1** i.e. **125.**

$4.99 \times 55.01 \times 554.64 = ? \times 110.85 \times 11.15$

Taking approximate values,

$5 \times 55 \times 555 = ? \times 111 \times 11$

$? = (5 \times 55 \times 555)/(111 \times 11)$

$? = 125$

Q:8 The correct answer is **option 5** i.e **10.**

$9.99 + 19.99 + 29.99 + 39.99 = ?^2$

Taking approximate values,

$10 + 20 + 30 + 40 = ?^2$

$100 = ?^2$

$? = 10$

Q:9 The correct answer is **option 3** i.e **125.**

$19.89\% \text{ of } 449.67 + 14.67\% \text{ of } 299.89 - 9.89\% \text{ of } 99.79 = ?$

Taking approximate values,

$20\% \text{ of } 450 + 15\% \text{ of } 300 - 10\% \text{ of } 100 = ?$

$0.20 \times 450 + 0.15 \times 300 - 0.10 \times 100 = ?$

$90 + 45 - 10 = ?$

$? = 125$

Q:10 The correct answer is **option 1** i.e **150.**

$5.25 \times 4.09 + 3.99 \times 9.67 + 6.01 \times 14.88 = ?$

Taking approximate values,

$5 \times 4 + 4 \times 10 + 6 \times 15 = ?$

$20 + 40 + 90 = ?$

$? = 150$