Approximation Questions for Bank Clerk Pre Exams.

Approximation Quiz 2

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

1. 23.003 × 22.998 + 100.010 = ?

A. 630   B.550   C. 700   D. 720   E. 510

2. $10^3 × 100^3 + 999999999 = 10^? + 10^?$

A. 6   B. 9   C. 7   D. 10   E. 12

3. 117% of 459.88 − 162% of 143.02 = ?

A. 290   B. 280   C. 300   D. 306   E. None of these

4. 125.009 + 69.999 + 104.989 = ?

A. 420   B. 300   C. 285   D. 415   E. 325

5. $\sqrt{1000000.000001} = ?$

A. 1000   B. 100   C. 1000.001   D. 10000   E. 999

6. 675.456 + 12.492 × 55.671 = ?

A. 971   B. 1071   C. 1171   D. 1271   E. 1375

7. (872% of 659) ÷ 543 = ?

A. 17   B. 11   C. 21   D. 27   E. 31

8. 4374562 × 64 = ? × 7777

A. 360   B. 3600   C. 36000   D. 360000   E. 3600000

9. (4576 + 3286 + 5639) ÷ (712 + 415 + 212) = ?

A. 18   B. 22   C. 34   D. 10   E. 46

10. (340 × 9.98) ÷ 6.4001 + 1245.15 = ?

A. 1766   B. 1776   C. 1676   D. 1876   E. 1806

Correct Answers:

1	2	3	4	5	6	7	8	9	10
A	B	D	B	A	E	B	C	D	B

Explanations:

1. ? ≈ 23 × 23 + 100 ≈ 629 = 630.

Hence, option A is correct.

2. $10^? + 10^? = 10^3 \times 100^3 + 999999999$
$= 10^3 \times 10^6 + 1000000000$
$= 10^9 + 10^9$ or,   ? = 9.

Hence, option B is correct.

3.

$$? \approx \frac{460 \times 117}{100} - \frac{143 \times 162}{100} \approx 538 - 232 \approx 306.$$

Hence, option D is correct.

4. 125.009 + 69.999 + 104.989 = ?
⇒ ? ≈ 125 + 70 + 105 ≈ 300.

Hence, option B is correct.

5. $? = \sqrt{1000000.000001} \approx \sqrt{1000 \times 1000} = 1000$

Hence, option A is correct.

6. ? = 675.456 + 12.492 × 55.671
? ≈ 675 + 12.5 × 56
? ≈ 675 + 700 ≈ 1375.

Hence, option E is correct.

7.

$$? = \frac{659 \times 872}{100} \div 543$$

$$? = \frac{659 \times 872}{100} \approx 11.$$

Hence, option B is correct.

8.

$$? = \frac{4374562 \times 64}{7777} \approx 36000.$$

Hence, option C is correct.

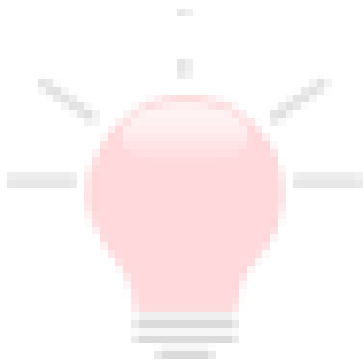**9.** ? = (4576 + 3286 + 5639) ÷ (712 + 415 + 212)

? = 13501 ÷ 1339 ≈ 10.

Hence, option D is correct.

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10. ? ≈ (340 × 10) ÷ 6.4 + 1245

? ≈ 531 + 1245 ≈ 1776.

Hence, option B is correct.