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Approximations Questions for RBI Asst. Pre, SBI Clerk Pre, IBPS RRB Office Asst. (Pre) and IBPS Clerk Pre Exams.

Approximations Quiz 43

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

1. $(44.87\% \text{ of } 1350) + (65.11\% \text{ of } 649.90) = ?$
A. 1030 B. 1225 C. 915 D. 1384 E. 1142
2. $(1/3.91) \times ? = \sqrt{168.79} + (5.11)^2$
A. 103 B. 152 C. 75 D. 218 E. 36
3. $27.323 + 38.931 + 74.756 - 83.111 = ?$
A. 81 B. 132 C. 58 D. 13 E. 69
4. $11.15 + (19.01)^2 \div 4.95 + (5.07)^2 = ?$
A. 159 B. 186 C. 203 D. 108 E. 237
5. $(8.89)^2 + 16.11 \times 5.78 - (5.09)^3 = ? - 59$
A. 143 B. 179 C. 233 D. 277 E. 111
6. $12.96 \times 13.98 - 52.11 = ?$
A. 103 B. 130 C. 169 D. 204 E. 267
7. $131.21 \times 5.79 - 119.11 \times 4.86 = ?$
A. 143 B. 191 C. 103 D. 275 E. 233



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8. $649.89 - ? + 713.77 = 823.77$

A. 579 B. 501 C. 539 D. 468 E. 423

9. $30.93 \times 10.918 - ? = 36.11$

A. 359 B. 391 C. 417 D. 305 E. 472

10. $(5.21 + 6.92)^2 + 9.11 \times 7 - ? = 179.933$

A. 5 B. 49 C. 83 D. 13 E. 27



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Correct Answers:

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

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Explanation:

1.

$$? \approx 1350 \times \frac{45}{100} + 650 \times \frac{65}{100}$$

$$? = 607.5 + 422.5$$

$$? = 1030$$

Hence, option A is correct.

2.

$$\frac{1}{3.91} \times ? = \sqrt{168.79 + (5.11)^2}$$

$$\frac{1}{4} \times ? \approx \sqrt{169 + (5)^2}$$

$$? = (13 + 25) \times 4$$

$$? = 38 \times 4 = 152$$

Hence, option B is correct.

3. $27.323 + 38.931 + 74.756 - 83.111 = ?$

$$? \approx 27 + 39 + 75 - 83$$

$$? = 141 - 83$$

$$? = 58$$

Hence, option C is correct.



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4. $11.15 + (19.01)^2 \div 4.95 + (5.07)^2 = ?$

$$? \approx 11 + (19)^2 \div 5 + (5)^2$$

$$? = 11 + 361 \div 5 + 25$$

$$? = 11 + 72.2 + 25$$

$$? = 108.2 \approx 108$$

Hence, option D is correct.

5. $(8.89)^2 + 16.11 \times 5.78 - (5.09)^3 = ? - 59$

$$? - 59 \approx (9)^2 + 16 \times 6 - (5)^3$$

$$? - 59 = 81 + 96 - 125$$

$$? - 59 = 177 - 125$$

$$? = 52 + 59$$

$$? = 111$$

Hence, option E is correct.

6. $12.96 \times 13.98 - 52.11 = ?$

$$? \approx 13 \times 14 - 52$$

$$? = 130$$

Hence, option B is correct.



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7. $131.21 \times 5.79 - 119.11 \times 4.86 = ?$

$$? \approx 131 \times 6 - 119 \times 5$$

$$? = 786 - 595$$

$$? = 191$$

Hence, option B is correct.

8. $649.89 - ? + 713.77 = 823.77$

$$? \approx 650 + 713 - 824$$

$$? = 539$$

Hence, option C is correct.

9. $30.93 \times 10.918 - ? = 36.11$

$$31 \times 11 - ? \approx 36$$

$$341 - ? = 36$$

$$? = 341 - 36$$

$$? = 305$$

Hence, option D is correct.



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10. $(5.21 + 6.92)^2 + 9.11 \times 7 - ? = 179.933$

$$(5 + 7)^2 + 9 \times 7 - ? \approx 180$$

$$12^2 + 63 - ? = 180$$

$$144 + 63 - ? = 180$$

$$? = 207 - 180$$

$$? = 27$$

Hence, option E is correct.



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