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The Question Bank

Approximation Questions for SBI Clerk Pre, IBPS Clerk Pre, LIC Assistant and IBPS RRB Exams.

Approximation Quiz 42

Directions: What approximate value should come in place of question mark.

1. $17.92 \times 10.97 - 52.11 = ?$

A. 146 B. 196 C. 216 D. 228 E. 91

2. $127.93 \times 4.1 - 116.01 \times 2.95 = ?$

A. 106 B. 164 C. 98 D. 196 E. 203

3. $101.68 \div 5.93 = ? \div 11.01$

A. 113 B. 90 C. 187 D. 209 E. 249

4. $167.71 \div 6.09 \times 4.11 = 79.86\%$ of ?

A. 116 B. 168 C. 190 D. 140 E. 260

5. 59.71% of $(207.93 + 218.09) = (?)^2$

A. 33 B. 21 C. 40 D. 19 E. 16

6. $(44.95\%$ of $1200) + (65.06\%$ of $800) = ?$

A. 1060 B. 1240 C. 860 D. 1860 E. 1520

7. $[(\sqrt{483.86} \times 12.03) \div 15.05] = 11.02 \times ?$

A. 3012 B. 2857 C. 2549 D. 2677 E. 3125

8. $(18.04 \times 19.88) \div 6.97 = (?)^2$

A. 7 B. 14 C. 11 D. 21 E. 17

9. $\frac{1}{2.89} \times ? = \sqrt{121.03} + (4.05)^2$

A. 56 B. 41 C. 68 D. 81 E. 33

10. $11.231 + 35.891 + 53.756 - 58.111 = ?$

A. 33 B. 57 C. 68 D. 11 E. 43

Correct Answers:

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

Explanations:

1. $17.92 \times 10.97 - 52.11 = ?$

$? \approx 18 \times 11 - 52$

$? = 146$

Hence, option A is correct.

2. $127.93 \times 4.1 - 116.01 \times 2.95 = ?$

$? \approx 128 \times 4 - 116 \times 3$

$? = 512 - 348$

$? = 164$

Hence, option B is correct.

3. $101.68 \div 5.93 = ? \div 11.01$

$102 \div 6 \approx ? \div 11$

$? \div 11 = 102 \div 6$

$? = 17 \times 11$

$? = 187$

Hence, option C is correct.

4. $167.71 \div 6.09 \times 4.11 = 79.86\%$ of ?

$? \approx 168 \times \frac{1}{6} \times 4 \times \frac{100}{80}$

$? = 28 \times 5$

$? = 140$

Hence, option D is correct.

5. 59.71% of (207.93 + 218.09) = $(?)^2$

$(?)^2 \approx \frac{60}{100} \times (208 + 218)$

$(?)^2 = 255.6 \approx 256$

$? \approx 16$

Hence, option E is correct.

6.

$? \approx 1200 \times \frac{45}{100} + 800 \times \frac{65}{100}$

$? = 540 + 520$

$? = 1060$

Hence, option A is correct

7. $[(\sqrt{483.86} \times 12.03) \div 15.05] = 11.02 \times ?$

$[(\sqrt{484} \times 12) \div 15] \approx 11 \times ?$

$\frac{22 \times 12}{15 \times 11} = ?$

$? = 1.6 \approx 2$

Hence, option B is correct.

8. $(18.04 \times 19.58) \div 6.97 = (?)^2$

$(?)^2 \approx (18 \times 20) \div 7$

$(?)^2 = \frac{360}{7} = 51.42 \approx 49$

$? = 7$

Hence, option A is correct.

9.

$\frac{1}{2.89} \times ? = \sqrt{121.03} + (4.05)^2$

$\frac{1}{3} \times ? \approx \sqrt{121} + (4)^2$

$? = (11 + 16) \times 3$

$? = 27 \times 3 = 81$

Hence, option D is correct.

10. $11.231 + 35.891 + 53.756 - 58.111 = ?$

$? \approx 11 + 36 + 54 - 58$

$? = 101 - 58$

$? = 43$

Hence, option E is correct.