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Simplification Questions for Bank Clerk Pre Exams.

Simplification Quiz 14

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

1. $23 \times 5.2 + 24 \times 1.2 - 32 \times 4.7 - 35 \times 1.02 + 97 \times 4 = ?$

- A. 315.3 B. 350.3 C. 340.4 D. 348.3 E. 368.3

2. $? \% \text{ of } (152 \div 19 \times 45) = 126$

- A. 28 B. 32.5 C. 35 D. 38.5 E. 42

3. $50.4 + 154.4 + 280.884 + 1692.4 - 1368.6 = ?$

- A. 917.545 B. 809.484 C. 924.244 D. 997.844 E. 988.744

4. $(12121 \div 100) + (42424 \div 50) = ?$

- A. 969.69 B. 853.41 C. 923.78 D. 991.12 E. 945.91

5. $\frac{5}{8} \text{ of } \frac{4}{9} \text{ of } \frac{3}{5} \text{ of } 654 = ?$

- A. 132 B. 109 C. 127 D. 97 E. 142

6. $145\% \text{ of } 342 - 684\% \text{ of } 22.5 = ?$

- A. 322 B. 308.5 C. 348.25 D. 364 E. 342

7. $\sqrt{30976} \times \sqrt{676} - (19)^2 + 2480 = ? \times 5$

- A. 1556 B. 1424 C. 1339 D. 1244 E. None of these

8. $(455.678 + 246.895 - 111.87) = ?^{1/3} + 500.703$

- A. 729000 B. 1000 C. 729 D. 8100 E. None of these

9. $\sqrt{729} \times \sqrt[3]{1000} \times 3.7 \times 14 \div 222 \div 168 = ?^5 \div 648$

- A. 5 B. 3 C. 8 D. 10 E. None of these

10. $(7770 \div 70) + (1500 \div 25) + (1008 \div 28) + 2152 = ?$

- A. 2154 B. 2429 C. 2826 D. 2359 E. None of these

Correct Answers:

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

Explanations:

1. $?$ = $23 \times 5.2 + 24 \times 1.2 - 32 \times 4.7 - 35 \times 1.02 + 97 \times 4$
= $119.6 + 28.8 - 150.4 - 35.7 + 388$
= $536.4 - 186.1 = 350.3$
Hence, option (B) is correct.

2. $?$ % of $(152 \div 19 \times 45) = 126$
 $\Rightarrow ?\%$ of $(8 \times 45) = 126$
 $\Rightarrow ?\%$ of $(8 \times 45) = 126$
 $\Rightarrow ?\%$ of $360 = 126$
 $\Rightarrow ?\% = \frac{126}{360}$

$\Rightarrow ? = \frac{126}{360} \times 100$

$\Rightarrow ? = 35$

Hence, option C the correct answer.

3. $?$ = $50.4 + 154.4 + 280.884 + 1692.4 - 1368.6$
= $2178.084 - 1368.6$
= 809.484
Hence, option (B) is correct.

4. $(12121 \div 100) + (42424 \div 50) = ?$
= $121.21 + 848.48 = 969.69$
Hence, option (A) is correct.

5.
 $\frac{5}{8}$ of $\frac{4}{9}$ of $\frac{3}{5}$ of $654 = ?$

$?$ = $\frac{5}{8} \times \frac{4}{9} \times \frac{3}{5} \times 654 = 109$

Hence, option (B) is correct.

6. $145\% \text{ of } 342 - 684\% \text{ of } 22.5 = ?$

Or, $145\% \text{ of } 342 - 342\% \text{ of } 45$

Or, $145\% \text{ of } 342 - 45\% \text{ of } 342$

Or, $(145\% - 45\%) \text{ of } 342$

$= 100\% \text{ of } 342 = 342$

Hence, option (E) is correct.

7. $? \times 5 = \sqrt{30976} \times \sqrt{676} - (19)^2 + 2480 = 176 \times 26 - 361 + 2480$

$= 4576 - 361 + 2480 = 7056 - 361$

$\therefore ? = \frac{6659}{5} = 1339$

Hence, option (C) is correct.

8. $(455.678 + 246.895 - 111.87) = ?^{1/3} + 500.703$

$(702.573 - 111.87 - 500.703) = ?^{1/3}$

$?^{1/3} = (702.573 - 612.573)$

$?^{1/3} = 90$

$? = 729000$

Hence, option A is correct.

9. $\sqrt{729} \times \sqrt[3]{1000} \times 3.7 \times 14 \div 222 \div 168 = ?^5 \div 648$

$27 \times 10 \times 3.7 \times 14 \div 222 \div 168 = ?^5 \div 648$

$27 \times 37 \times 14 \div 222 \div 168 = ?^5 \div 648$

$27 \div 6 \div 12 \times 648 = ?^5$

$?^5 = 27 \times 9$

$?^5 = 35$

$? = 3$

Hence, option B is correct.

10. $? = (7770 \div 70) + (1500 \div 25) + (1008 \div 28) + 2152$

$= 111 + 60 + 36 + 2152 = 2359$

Hence, option (D) is correct



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