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Simplification Quiz for Bank Clerk Pre Exam

Simplification Quiz 13

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

1. 323.46 + 23.04 – 43.17 – ? = 303

A. 0.33 B. 1.33 C. 1.23

D. 0.21 E. 0.51

2. 48.2 × 2.5 × 2.2 + ? = 270

A. 6.5 B. 2.8 C. 4.9

D. 3.4 E. 1.2

3. $1\frac{1}{2} + 2\frac{2}{7} = 3\frac{1}{2} + ?$

A. $\frac{2}{3}$ B. $\frac{2}{7}$ C. $\frac{5}{8}$

D. $\frac{7}{2}$ E. $\frac{1}{7}$

4. $\frac{2176 - 56 \times ?}{64} = 20$

A. 35 B. 20 C. 25

D. 16 E. 40

5. 128.43 + 30.21 + ? = 173

A. 35.66 B. 29.66 C. 43.66

D. 24.66 E. 14.36

6. 1817 – 23 + 26 – 1385 = ?

A. 225 B. 435 C. 324

D. 128 E. 380

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7. $? - \sqrt{784} = 6 \times \sqrt{324}$

A. 128 B. 160 C. 236

D. 53 E. 136

8. $456 \div 6 \times 598 \div 23 - ? = 12^3$

A. 160 B. 406 C. 213

D. 345 E. 248

9. 32% of 825 + 25% of 1440 = 1080 – ?

A. 456 B. 206 C. 223

D. 216 E. 125

10. $\frac{616}{22} + \frac{416}{13} = 11^2 - ?$

A. 56 B. 34 C. 61

D. 28 E. 49

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Correct Answers:

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

Explanations:

1. 323.46 + 23.04 – 43.17 – ? = 303

or, ? = 303.33 – 303 = 0.33

Hence, option A is correct.

2. 48.2 × 2.5 × 2.2 + ? = 270

or, ? = 270 – 48.2 × 2.5 × 2.2

= 270 × 48.2 × 5.5 = 270 – 265.1 = 4.9

Hence, option C is correct.

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3.

$1\frac{1}{2} + 2\frac{2}{7} = 3\frac{1}{2} + ?$

or, $(1 + 2 - 3) + \left(\frac{1}{2} + \frac{2}{7} - \frac{1}{2}\right) = \frac{2}{7}$

Hence, option B is correct.

4.

$\frac{2176 - 56 \times ?}{64} = 20$

or, 2176 – 56 × ? = 20 × 64

or, 56 × ? = 2176 – 1280 = 896

$\therefore ? = \frac{896}{56} = 16$

Hence, option D is correct.

5. 128.43 + 30.21 + ? = 173

or, ? = 173 – 158.64 = 14.36

Hence, option E is correct.

6. 1817 – 23 + 26 – 1385 = ?

or, 1843 – 1408 = 435

Hence, option B is correct.

7. ? – $\sqrt{784}$ = 6 × $\sqrt{324}$

or, ? = 6 × 18 + 28

or, 108 + 28 = 136

Hence, option E is correct.

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8. 456 ÷ 6 × 598 ÷ 23 – ? = 12^3

or, ? = 76 × 26 – 1728

= 1976 – 1728 = 248

Hence, option E is correct.

9. 32% of 825 + 25% of 1440 = 1080 – ?

or, ? = 1080 – (32% of 825 + 25% of 1440)

= 1080 – $\left(32 \times 8.25 + \frac{1}{4} \times 1440\right)$

= 1080 – (264 + 360)

= 1080 – 624 = 456

Hence, option A is correct.

10.

$\frac{616}{22} + \frac{416}{13} = 11^2 - ?$

or, 28 + 32 = 121 – ?

or, ? = 121 – 60 = 61

Hence, option C is correct

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