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APPROXIMATION QUESTIONS QUIZ FOR SBI PO PRE 2019

APPROXIMATION QUIZ 32

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

1. 24.997% of $639.998 \div 1.996^{-2} = ?$

- A. 580 B. 720 C. 640
D. 724 E. 560

2. $148.003 - 323.987 \div 26.991 = 0.5 \times ?$

- A. 136 B. 98 C. 212
D. 428 E. 272

3. $\sqrt{728.991} \div \sqrt{9.003} \times 7.999 + 4.99^2 = ?$

- A. 29 B. 51 C. 97
D. 198 E. 157

4. $50.01^2 + 19.999^2 + ? = 50.998^2$

- A. - 363 B. - 299 C. 363
D. 299 E. - 489

5. $\sqrt[3]{5831.999} + 324 = ? \div 24.99$

- A. 7550 B. 9550 C. 8250
D. 8550 E. 9150

6. 14.99% of $399.987 + 24.99\%$ of $1240.001 \times 0.2 = 0.2 \times ?$

A. 122 B. 189 C. 225

D. 480 E. 610

7. $26.001 \times 28.998 + 25.97^2 - ?\%$ of $2500 = 55$

A. 45 B. 55 C. 65

D. 35 E. 25

8. $936.001 \div 13.007 \div 4.019 \times 17.982 - 12.998 \times 13.98 = ?$

A. 284 B. 64 C. 142

D. 215 E. 342

9. $\sqrt{?} \times 14.003 + 24.998\%$ of $480.01 = 708$

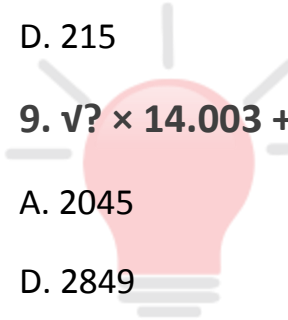
A. 2045 B. 784 C. 1936

D. 2849 E. 1764

10. $784 \div 14 + 598 \div 13 + ? = 99\%$ of 2500

A. 2475 B. 2373 C. 2285

D. 2565 E. None of these



Correct answers:

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

Explanations:

1.

$$24.997\% \text{ of } 639.998 \div 1.996^{-2} = ?$$

$$? \approx 25\% \text{ of } 640 \div 2^{-2}$$

$$? = 25 \times \frac{640}{100} \times 4$$

$$? = 160 \times 4 = 640$$

Hence, option C is correct.

2.

$$148.003 - 323.987 \div 26.991 = 0.5 \times ?$$

$$? \times 0.5 \approx 148 - 324 \div 27$$

$$? \times 0.5 = 148 - 12$$

$$? \times 0.5 = 136$$

$$? = 136 \times 2 = 272$$

Hence, option E is correct.

3.

$$\sqrt{728.991} \div \sqrt{9.003} \times 7.999 + 4.99^2 = ?$$

$$? \approx \sqrt{729} \div \sqrt{9} \times 8 + 5^2$$



$$? = 27 \div 3 \times 8 + 25$$

$$? = 9 \times 8 + 25 = 72 + 25 = 97$$

Hence, option C is correct.

4.

$$50.01^2 + 19.999^2 + ? = 50.998^2$$

$$50^2 + 20^2 + ? \approx 512$$

$$? = 51^2 - 50^2 - 20^2$$

$$? = 2601 - 2500 - 400 = -299$$

Hence, option B is correct.

5.

$$\sqrt[3]{5831.999} + 324 = ? \div 24.99$$

$$\sqrt[3]{5831} + 324 \approx ? \div 25$$

$$18 + 324 = ? \div 25$$

$$? = 25 \times 342 = 8550$$

Hence, option D is correct.

6.

$$14.99\% \text{ of } 399.987 + 24.99\% \text{ of } 1240.001 \times 0.2 = 0.2 \times ?$$

$$15\% \text{ of } 400 + 25\% \text{ of } 1240 \times 0.2 \approx 0.2 \times ?$$

$$60 + 310 \times 0.2 = 0.2 \times ?$$



$$60 + 62 = 0.2 \times ?$$

$$122 = \frac{1}{5} \times ?$$

$$? = 122 \times 5 = 610$$

Hence, option E is correct.

7.

$$26.001 \times 28.998 + 25.97^2 - ?\% \text{ of } 2500 = 55$$

$$26 \times 29 + 26^2 - 55 \approx ?\% \text{ of } 2500$$

$$26 \times (26 + 29) - 55 = ?\% \text{ of } 2500$$

$$26 \times 55 - 55 = ?\% \text{ of } 2500$$

$$55 \times 25 = ? \times \frac{2500}{100}$$

$$? = 55$$

Hence, option B is correct.

8.

$$936.001 \div 13.007 \div 4.019 \times 17.982 - 12.998 \times 13.98 = ?$$

$$? \approx 936 \div 13 \div 4 \times 18 - 13 \times 14$$

$$? = \frac{936}{13 \times 4} \times 18 - 13 \times 14$$

$$? = 18 \times 18 - 13 \times 14$$

$$? = 324 - 182 = 142$$

Hence, option C is correct.



9.

$$\sqrt{?} \times 14.003 + 24.998\% \text{ of } 480.01 = 708$$

$$?^{1/2} \times 14 + 25\% \text{ of } 480 \approx 708$$

$$?^{1/2} \times 14 = 708 - 120 = 588$$

$$?^{1/2} = \frac{588}{14} = 42$$

$$? = 1764$$

Hence, option E is correct.

10.

$$784 \div 14 + 598 \div 13 + ? = 99\% \text{ of } 2500$$

$$\frac{784}{14} + \frac{598}{13} + ? = 99 \times \frac{2500}{100}$$

$$56 + 46 + ? = 2475$$

$$? = 2475 - 102 = 2373$$

Hence, option B is correct.



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