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Correct Answers:

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

Explanations:

1. $7^{(6-?)} \times 119 \div \sqrt{1225} = \sqrt{289} \times 20.98 \times 7.03 \div 3.02 \div 4.95$

$$7^{(6-?)} \times 119 \div 35 = 17 \times 21 \times 7 \div 3 \div 5$$

$$7^{(6-?)} = 17 \times 21 \times 7 \div 3 \div 5 \div 119 \times 35$$

$$7^{(6-?)} = 7 \times 7$$

$$7^{(6-?)} = 7^2$$

$$6 - ? = 2$$

$$? = 6 - 2 = 4$$

Hence, option A is correct.

2. $(128.78 + 307.24 + 111.8) - (246.35 - 786.47) = ?^2$

$$(129 + 307 + 112) - (246 - 786) = ?^2$$

$$548 - (-540) = ?^2$$

$$?^2 = 548 + 540$$

$$?^2 = 1088 \approx 1089$$

$$? = 33$$

Hence, option A is correct.

3. $54.7\% \text{ of } 1190 \div (\sqrt{676} + \sqrt[3]{1728.11} - \sqrt{361}) = ?^2 \div 57.02$

$$1190 \times \frac{55}{100} \div (26 + 12 - 19) = ?^2 \div 57$$

$$654.5 \div 19 = ?^2 \div 57$$

$$655 \div 19 \times 57 = ?^2$$

$$?^2 = 655 \times 3 = 1965$$

$$? = 44.32 \approx 44$$

Hence, option C is correct.

4.

$$7\frac{9}{13}\% \text{ of } 208 + \frac{(16.9 \times 304)}{323} = ?^{1/2} + 125$$

$$\frac{100}{1300} \times 208 + \frac{17 \times 304}{323} = ?^{1/2} + 5$$

$$16 + 16 - 5 = ?^{1/2}$$

$$?^{1/2} = 27$$

$$? = 729 \approx 730$$

Hence, option B is correct.

5. 9.09% of 11.11% of $2430 = ?^3 \div \sqrt{289} + \sqrt{(\sqrt[3]{4096})}$

$$2430 \times \frac{1}{9} \times \frac{1}{11} = ?^3 \div 17 + \sqrt{16}$$

$$\frac{270}{11} = ?^3 \div 17 + 4$$

$$24.54 - 4 = \frac{?^3}{17}$$

$$20.54 = \frac{?^3}{17}$$

$$21 \times 17 = ?^3$$

$$?^3 = 357$$

$$? \approx 7$$

Hence, option D is correct.

6. $?^2 - 149.99 \div 5 = 19.87 \times 32.02$

or, $?^2 - 150 \times \frac{1}{5} \approx 20 \times 32$

or $?^2 \approx 640 + 30$

or $?^2 \approx 670 \approx 676$

$\therefore ? = 26$

Hence, option (B) is correct.

7. $?% \text{ of } 375.01 + (11.97)^2 = 305$

or, $?% \text{ of } 375 + 144 \approx 305$

or, $\frac{?}{100} \times 375 \approx 305 - 144$

$$\text{or, } ? \approx 161 \times \frac{100}{375} = 161 \times \frac{4}{15} = \frac{644}{15} = 43$$

Hence, option (A) is correct.

8. $(4425.73 - 321.01) \div ? = 210 \times 9.05$

or, $\frac{4426 - 321}{210 \times 9} \approx ?$

or, $? \approx \frac{4105}{1890} \approx 2$

Hence, option (D) is correct

9. $? = 1720.02 + 80.01 \div (15.42 \div 75.02)$

or, $? \approx 1720 + 80 \left(15 \times \frac{1}{75}\right)$

or, $? \approx 1720 + 80 \times 5$

$= 1720 + 400 = 2120$

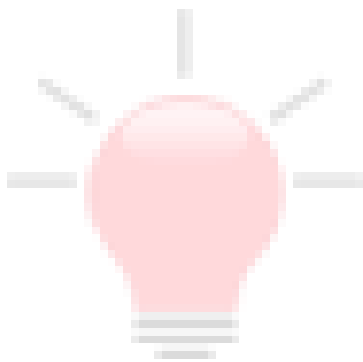
Hence, option (B) is correct.

10. $6210 \div 9.01 \div (15.05 \div 105) = ?$

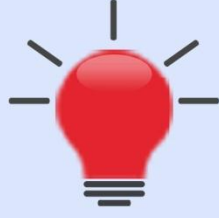
or, $? \approx 6210 \times \frac{1}{9} \times 7 = 690 \times 7$

or, $? \approx 4830$

Hence, option (E) is correct.



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