



# SmartKeeda

The Question Bank

Presents

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**Correct Answers:**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
D	D	B	D	E	D	A	E	B	B

**Explanations:**

**1.**

$$33.05\% \text{ of } 5010.11 + \frac{1}{12.93} \text{ of } 2404.99 = ?$$

$$? \approx 33\% \text{ of } 5010 + \frac{1}{13} \text{ of } 2405$$

$$\Rightarrow ? = \frac{33}{100} \times 5010 + \frac{1}{13} \times 2405$$

$$= 1653.30 + 185 = 1838.30 \approx 1838$$

Hence, option D is correct.

**2.**  $98.98 \div 11.03 + 7.014 \times 15.99 = ?$

Suppose,  $? = x$

$$\text{Then } 99 \div 11 + 7 \times 16 = 9 + 112 = 121 \text{ (taking approximate value)}$$

$$\therefore x = 121$$

Hence, option D is correct.

**3.** Here  $10^3 \times 100^3 + 999999999$

$$= 10^3 \times (10^2)^3 + 10^9$$

$$= 10^3 \times 10^6 + 10^9$$

$$= 10^{3+6} + 10^9$$

$$= 10^9 + 10^9$$

Therefore, question mark will be replaced by 9.

Hence, option B is correct.

**4.**  $134\% \text{ of } 3894 + 38.94\% \text{ of } 134$

$$= 134\% \text{ of } 3894 + 3894 \text{ of } 1.34\%$$

$$= 134\% \text{ of } 3894 + 1.34\% \text{ of } 3894$$

$$= 135.34\% \text{ of } 3894$$

$$= 5270.1396 \approx 5270$$

Hence, option D is correct.

**5.**  $(21 + 99) \times (30 - 19.02)$   
 $= 120 \times 10.98$   
 $= 120 \times 11 = 1320$   
Hence, option E is correct.

**6.**  
 $\frac{2}{3} \times \frac{6}{8} \times \frac{2}{3} \times \frac{3}{5} = \frac{1}{5} = 0.2$

Hence, option D is correct.

**7.**  $\sqrt{257} + \sqrt{224.5} \times \sqrt[3]{215.5} = ?$   
 $? \approx \sqrt{257} + \sqrt{225} \times \sqrt[3]{216} = ?$   
 $= 16 + 15 \times 6 = 16 + 90 = 106$   
Hence, option A is correct.

**8.**  $\sqrt{575} \div ? \times 14.98^2 = 450$

Or,  $\frac{\sqrt{575}}{?} \times 15 \times 15 = 450$

Or,  $\frac{24}{?} \times 15 \times 15 \approx 450$

Or,  $? \approx \frac{24 \times 15 \times 15}{450} = 12$

Hence, option E is correct.

**9.**  $30.01^2 - 19.98^2 - ? = 21.01^2$

Or,  $? \approx (30)^2 - (20)^2 - ? = (21)^2$

$= 900 - 400 - 441$

$= 900 - 841 = 59 \approx 60$

Hence, option B is correct.

**10.**  $820.15 + 2379.85 + 140.01 \times 4.99 = ?$

$\Rightarrow ? = 820 + 2380 + 140 \times 5$

$\Rightarrow ? = 820 + 2380 + 700 = 3900$

Hence, option B is correct.



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