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# Approximation Questions for Bank Clerk Pre Exams.

## Approximation Quiz 5

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

1.  $33.003 \times 32.998 + 99.910 = ?$

- A. 1190                      B. 1540                      C. 1209                      D. 1230                      E. 1170

2.  $(24.99\% \text{ of } 399.995) \div ? = (125\% \text{ of } 4.111)^2$

- A. 80                      B. 4                      C. 60                      D. 16                      E. 40

3.  $820.01 - 21 \times 32.99 + ? = 240$

- A. 105                      B. 173                      C. 113                      D. 234                      E. 143

4.  $\frac{7}{16} \times 8022.66 + \frac{11}{200} \times 68224.4 = ?$

- A. 7260                      B. 7245                      C. 7290                      D. 7200                      E. 7285

5.  $(\sqrt{1372} + \sqrt{959}) \div \sqrt{292} \times 19.003 = ?$

- A. 77                      B. 97                      C. 39                      D. 19                      E. 57

6.  $\frac{10}{12} \times \left[ \frac{4}{18} \div \frac{8}{18} \right] \div \frac{12}{14}$

- A. 1.25                      B. 0.25                      C. 0.5                      D. 1.75                      E. 2

7.  $15\% \text{ of } 62.58 + 20\% \text{ of } 9.68 = ?$

- A. 14                      B. 18                      C. 16                      D. 11                      E. 4

8.  $543.28 \div 55 = ?$

- A. 4                      B. 8                      C. 10                      D. 12                      E. 14

9.  $\left( \frac{6}{4} \times \frac{22}{0.4} \right) \div \left( \frac{56}{6} \times \frac{42}{10} \right) = ?$

- A. 6                      B. 8.2                      C. 7.2                      D. 6.8                      E. 4.4

10.  $(2.2)^2 + (6.4)^2 + (6)^2 = ?$

- A. 90                      B. 72                      C. 82                      D. 97                      E. 87

**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>
A	B	C	A	A	C	D	C	E	C

**Explanations:**

- 1.**  $33.003 \times 32.998 + 99.910 = ?$   
 $? \approx 33 \times 33 + 100 \approx 1189 = 1190.$   
Hence, option A is correct.

- 2.**  $(24.99\% \text{ of } 399.995) \div ? = (125\% \text{ of } 4.111)^2$   
 $\Rightarrow 25\% \text{ of } 400 \div ? = (125\% \text{ of } 4)^2$   
 $\Rightarrow 100 \div ? = (5)^2$   
 $\Rightarrow ? \approx 4$   
Hence, option B is correct.

- 3.**  $820.01 - 21 \times 32.99 + ? = 240$   
 $\approx 820 - 21 \times 33 + ? = 240$   
 $\approx 820 - 693 + ? = 240$   
 $\approx ? = 240 - 127 = 113$   
Hence, option C is correct.

- 4.**  $\frac{7}{16} \times 8022.66 + \frac{11}{200} \times 68224.4 = ?$   
 $\Rightarrow ? \approx \frac{7}{16} \times 8023 + \frac{11}{200} \times 68224$   
 $\Rightarrow ? \approx 7 \times 501.4 + 11 \times 341.4$   
 $\Rightarrow ? \approx 7 \times 501.4 + 11 \times 341.4$   
 $\Rightarrow ? \approx 7 \times 501 + 11 \times 341$   
 $\Rightarrow ? \approx 3507 + 3751 = 7258 \approx 7260.$   
Hence, option A is correct.

- 5.**  $(\sqrt{1372} + \sqrt{959}) \div \sqrt{292} \times 19.003 = ?$   
 $? \approx (\sqrt{1369} + \sqrt{961}) \div \sqrt{289} \times 19$   
 $= (37 + 31) \div 17 \times 19$   
 $= 68 \div 17 \times 19$   
 $= 4 \times 19 = 76 \approx 77$   
Hence, option A is correct.

**6.**

$$\frac{10}{12} \times \left[ \frac{4}{18} \div \frac{8}{18} \right] \div \frac{12}{14} = ?$$

$$= \frac{10}{12} \times \left[ \frac{4}{18} \times \frac{18}{8} \right] \div \frac{12}{14}$$

$$= \frac{10}{12} \times \frac{1}{2} \times \frac{14}{12} = \frac{140}{288} \approx 0.5$$

Hence, option C is correct.

**7.** 15% of 62.58 + 20% of 9.68 = ?

$$\Rightarrow ? \approx 63\% \text{ of } 15 + 10\% \text{ of } 20$$

$$\Rightarrow ? = (50\% \text{ of } 15 + 13\% \text{ of } 15) + 2$$

$$\Rightarrow ? \approx 7.5 + 1.5 + 2 = 11$$

Hence, option D is correct.

**8.** 543.28 ÷ 55 = ?

$$? \approx \frac{540}{55} \approx 10$$

Hence, option C is correct.

**9.**

$$\left( \frac{6}{1.6} \times \frac{22}{0.4} \right) \div \left( \frac{56}{6} \times \frac{42}{10} \right)$$

$$? \approx \left( \frac{6}{1.5} \times \frac{22}{0.5} \right) \div \left( \frac{56}{6} \times \frac{42}{10} \right)$$

$$= (4 \times 44) \div 39.2 \approx \frac{4 \times 44}{40} = 4.4$$

Hence, option E is correct.

**10.** (2.2)<sup>2</sup> + (6.4)<sup>2</sup> + (6)<sup>2</sup> = ?

$$? \approx (2)^2 + (6.5)^2 + (6)^2$$

$$= 4 + 42.25 + 36 = 82.25 \approx 82$$

Hence, option C is correct.



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