

# Banking Daily Quiz Blog - January 17



1. Read the instruction carefully and answer the questions based on it.

Find the value of  $x$  ?

A.  $x\%$  of  $800 + 348 = 980$

A 75

B 78

C 79

D 80

E 76

### Solution

$$x\% \text{ of } 800 + 348 = 980$$

$$\frac{x}{100} \times 800 = 980 - 348$$

$$\frac{x}{100} \times 800 = 632$$

$$x = 79$$

B.  $9870 + 8790 + 6552 - x = 9552$

A 15260

B 16660

C 15660

D 18660

E 20660

### Solution

$$9870 + 8790 + 6552 - x = 9552$$

$$x = 9870 + 8790 + 6552 - 9552$$

$$x = 15660$$

c.  $18 + 512 - 128 + x^2 = 802$

A 24

B 19

C 20

D 18

E 22

### Solution

$$18 + 512 - 128 + x^2 = 802$$

$$x^2 = 802 + 128 - 512 - 18$$

$$x^2 = 400$$

$$x = \sqrt{400} = 20$$

D.  $\sqrt{9^2 + 11^2 - 6} = x \times 56 \div 8$

A 2

B 3

C 4

D 2.5

E 3.5

### Solution

$$\sqrt{9^2 + 11^2 - 6} = x \times 56 \div 8$$

$$\sqrt{81 + 121 - 6} = x \times \frac{56}{8}$$

$$\sqrt{196} = 7x$$

$$7x = 14$$

$$x = 2$$

E.  $80\% \text{ of } x - 50\% \text{ of } 400 = 600$

**A** 950

**B** 900

**C** 800

**D** 1000

**E** 1200

### Solution

$$80\% \text{ of } x - 50\% \text{ of } 400 = 600$$

$$\frac{80}{100} \times x = 600 + 200$$

$$x = \frac{800 \times 100}{80}$$

$$x = 1000$$

F.  $(x^2 + 4)^2 = 8x^2 + 97$

**A** 2

**B** 3

**C** 4

D 4.5

E 5

**Solution**

$$(x^2 + 4)^2 = 8x^2 + 97$$

$$x^4 + 8x^2 + 16 = 8x^2 + 97$$

$$x^4 = 97 - 16$$

$$x^4 = 81$$

$$x = 3$$

G.  $1\frac{2}{7} - 3\frac{4}{7} + 18\frac{1}{2} = \frac{x}{7} + 15\frac{1}{2}$

A 4

B 4.5

C 6

D 6.5

E 5

**Solution**

$$1\frac{2}{7} - 3\frac{4}{7} + 18\frac{1}{2} = \frac{x}{7} + 15\frac{1}{2}$$

$$\frac{9}{7} - \frac{25}{7} + \frac{37}{2} = \frac{x}{7} + \frac{31}{2}$$

$$\frac{x}{7} = \frac{9}{7} - \frac{25}{7} + \frac{37}{2} - \frac{31}{2}$$

$$\frac{x}{7} = \frac{18-50+259-217}{14}$$

$$\frac{x}{7} = \frac{10}{14}$$

$$x = \frac{10 \times 7}{14} = 5$$

H.  $44 \times 50\% \text{ of } 70 - 289 \div 17 \times 2 = x$

A 1316

B 1406

C 1516

D 1206

E 1506

### Solution

$$44 \times 50\% \text{ of } 70 - 289 \div 17 \times 2 = x$$

$$x = 44 \times 35 - \frac{289}{17} \times 2$$

$$x = 1540 - 34$$

$$x = 1506$$

I.  $\frac{1}{7} \text{ of } 343 - 25\% \text{ of } 100 = \frac{x}{8} \text{ of } 24$

**A** 8

**B** 5

**C** 6

**D** 9

**E** 7

**Solution**

$$\frac{1}{7} \text{ of } 343 - 25\% \text{ of } 100 = \frac{x}{8} \text{ of } 24$$

$$49 - 25 = 3x$$

$$x = 8$$

J.  $9^2 - 7^2 + 67 = x + 4^3$

**A** 30

**B** 32

**C** 38

**D** 35



**E**

32

**Solution**

$$9^2 - 7^2 + 67 = x + 4^3$$

$$81 - 49 + 67 = x + 64$$

$$x = 35$$

