BOB Office Assistant Mains Quant Memory Based Paper 22 Mar 2026

Q.1 What will come in the place of question mark (?) in the following questions?
((3 × 12) ÷ 18 + 1) + 84 = 148 - ?

A. 43
B. 50
C. 61
D. 70
E. 18

Answer: C

Sol:
((3 × 12) ÷ 18 + 1) + 84 = 148 - ?
(36 ÷ 18 + 1) + 84 = 148 - ?
(2+1) + 84 = 148- ?
87 = 148 - ?
? = 61

Q.2 What will come in the place of question mark (?) in the following questions?
40% of 250 + √25 ÷ 5 × 10 = ? + 20

A. 90
B. 85
C. 80
D. 95
E. 100

Answer: A

Sol:
40% of 250 + √25 ÷ 5 × 10 = ? + 20
100 + 5 ÷ 5 × 10 = ? + 20
100 + 1× 10 = ? + 20
110 = ? + 20
90 = ?

Q.3 What will come in the place of question mark (?) in the following questions?
15 × ? + 25% of 320 = 500

A. 28
B. 22
C. 24
D. 25
E. 18

Answer: A

Sol:
15 × ? + 25% of 320 = 500
15 × ? + 80 = 500
15 × ? = 420
? = 28

Q.4 What will come in the place of question mark (?) in the following questions?
15% of ? + 20% of 500 = 250

A. 800
B. 900

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C. 1000
D. 1100
E. 1200

Answer: C

Sol:

15% of ? + 20% of 500 = 250
15% of ? + 100 = 250
15% of ? = 150
? = 1000

Q.5 What will come in the place of question mark (?) in the following questions?
? % of 800 + 300 = 5 × 140

A. 40
B. 50
C. 55
D. 65
E. 60

Answer: B

Sol: ? % of 800 + 300 = 5 × 140

$\frac{?}{100} \times 800 + 300 = 700$

$\frac{?}{100} \times 800 = 400$

? = 50

Q.6 What will come in the place of (?) mark in following question.
(150% of 400) ÷ ? = 30

A. 12
B. 20
C. 30
D. 35
E. 40

Answer: B

Sol:

(150% of 400) ÷ ? = 30
600 ÷ ? = 30
20 = ?

Q.7 What will come in the place of (?) mark in following question.
(80% of 500) - ? = 2/9 of 180

A. 220
B. 425
C. 130
D. 240
E. 360

Answer: E

Sol:

(80% of 500) - ? = 2/9 of 180

400 - ? = 40

360 = ?

Q.8 What will come in the place of (?) mark in following question.

20% of (150 + ?) = 50

A. 110
B. 80
C. 120
D. 90
E. 100

Answer: E

Sol: 20% of (150 + ?) = 50

$\frac{20}{100} \times (150+?)=50$

150 + ? = 250

? = 100

Q.9 What will come in the place of (?) mark in following question.

(√121 + √196) × 2 = ? ÷ 5

A. 350
B. 250
C. 300
D. 280
E. 320

Answer: B

Sol:

(11 + 14) × 2 = ? ÷ 5

50 = ? ÷ 5

250 = ?

Q.10 What will come in the place of (?) mark in following question.

$\sqrt{256} + \sqrt{144} + 10^2 = ?$

A. 140
B. 156
C. 160
D. 128
E. 180

Answer: D

Sol:

$\sqrt{256} + \sqrt{144} + 10^2 = ?$

16 + 12 + 100 = ?

128 = ?

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Q.1 What will come in the place of question (?) mark in following number series:
43, ?, 56, 72, 97, 133

A. 51
B. 49
C. 47
D. 44
E. 40

Answer: C

Sol:

The pattern of the series:

43,	?=47,	56,	72,	97,	133
	4	9	16	25	36

Q.2 The radius of a circle is 21 cm, and the circumference of the circle is 8 cm less than the perimeter of a square. Find the area of the square (in sq. cm).

A. 1296
B. 1225
C. 961
D. 1156
E. 400

Answer: B

Sol:

Information Given:
The radius of the circle = 21 cm.
The circumference of the circle is 8 cm less than the perimeter of a square.
Formulas Used:
Circumference of circle = $2\pi r$
Perimeter of square = 4 × side
Area of square = $side^2$
Basic Explanation:
Circumference of the circle = $2\times22/7\times21=132$ cm
Perimeter of the square = 132+ 8 = 140 cm
Side of the square = 140/4 = 35 cm
Area of the square = 35^2 = 1225 sq.cm

Q.3 **Find out the missing number.**
0.25, 0.25, 0.5, 1.5, 6, 30, ?

A. 150
B. 125
C. 190
D. 180
E. 60

Answer: C

Sol: **The pattern of the series:**

0.25,	0.25,	0.5,	1.5,	6,	30,	**180**
	× 1	× 2	× 3	× 4	× 5	× 6

Q.4 **The income of A and B is Rs. 10000 and Rs. 8000 respectively. If expenditure of A and B is in the ratio of 2:3 respectively and B saves Rs. 2000, then find the saving of A?**

A. Rs 6000
B. Rs 4000
C. Rs 5000
D. Rs 4800
E. Rs 5200

Answer: A

Sol:

Information Given:
Income of A = 10000 Rs.
Income of B = 8000 Rs.
The ratio of expenditure of A to that of B = 2 : 3
Saving of B = 2000 Rs
Formula Used:
Income – expenditure = saving
Explanation:
Let expenditure of A and B is Rs. 2x and Rs. 3x respectively.
ATQ, 8000 – 3x = 2000
3x = 6000
x= 2000 Rs.
So, saving of A = 10000 - 2×2000 =Rs. 6000

Q.5 **A vessel contains 50 liters and 75 liters of milk and water, respectively. If X and 2X liters of milk and water are added to the vessel, then the ratio of milk to water becomes 3:5, respectively. Find X.**

A. 10
B. 5
C. 25
D. 15
E. 20

Answer: C

Sol:

Information Given:
50 liters of milk,
75 liters of water.
After adding X liters of milk and 2X liters of water to the vessel, the ratio of milk to water becomes 3:5
Basic Explanation:
ATQ,

$$\frac{50+X}{75+2X}=\frac{3}{5}$$

$$250+5X=225+6X$$

$$X=25$$