Simplification Questions For IBPS RRB PO PDF

Instructions

Find the approximate value of the number which should replace (?) in the following questions.

Question 1

1184.5+245.6-36.87-118.47 = (?)

A 1278.63

B 1272.4

C 1256.8

D 1274.76

E 1653.28

   Answer: D

Explanation:
1184.5+245.6-36.87-118.47 = 1274.76
So the correct answer for this question is option D.

Question 2

14.36*23.45+ 28.7*16.4 +36.4*14.1 = (?)

A 1320.6

B 1548.2

C 1328.4

D 1376.2

E 1334.9

   Answer: A

Explanation:
14.36*23.45+ 28.7*16.4 +36.4*14.1 = 336.742 + 470.68 + 513.24 = 1320.6
So the correct option to choose is A.

Question 3

78% of 126 + 146% of 228 = (?)

A 436

B 438

C 423

D 431

E 424

   Answer: D

Explanation:
78% of 126 + 146% of 228 = 0.78*126 + 1.46*228 = 98.28 + 332.88 = ~431
So the correct value that replaces (?) is option D.

Question 4

$2314.78 - 1654.2 + 16.7 * 9 - 136 \div 7 =?$

A 723.82

B 791.46

C 780.15

D 760.41

E 730.8

   Answer: B

Explanation:
$2314.78 - 1654.2 + 16.7 * 9 - 136 \div 7 = 660.58 + 150.3 - 19.42 = 791.46$
So the correct option to choose is B.

Question 5

31% **of** $\frac{1}{9}$ **of** $760 \div 19 =?$

A 3.46

B 2.8

C 3.2

D 2.78

E 1.38

   Answer: E

Explanation:
31% of $\frac{1}{9}$ of $760 \div 19$
$0.31 * \frac{1}{9} \times 40 = 1.38$
So the correct option to choose is E.

Instructions

What approximate value should come in place of the question mark(?) in the following questions? (Note: You are not expected to calculate the exact value)

Question 6

80.002 + 49.78 *5.99 = ?

A 385

B 380

C 375

D 390

E 370

   Answer: B

Explanation:
The expression can be approximately written as 80 + 50*6 = 80 + 300 = 380

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Question 7

54.001 * 0.50001 * 3.997 = ?

A   111

B   112

C   105

D   108

E   113

   Answer: D

Explanation:
The expression can be approximately written as 54*0.5*4 = 54 * 2 = 108

Question 8

$\sqrt{4223}$ **= ?**

A   67

B   66

C   65

D   54

E   None of the above

   Answer: C

Explanation:
$65^2 = 4225$
So, $\sqrt{4223}$ is approximately equal to 65

Question 9

4045 ÷ 22 = ?

A   183

B   184

C   185

D   186

E   None of the above

   Answer: B

Explanation:
184 * 22 = 4048

So, 4045/22 is approximately equal to 184

Question 10

834.001 + 5870.99 * 0.33320 = ?

A   2795

B   2789

C   2791

D   2780

E   None of the above

   Answer: C

Explanation:
The expression can be approximately written as 834 + 5871 * 0.33 = 834 + 5871 * (1/3) = 834 + 1957 = 2791

Instructions

Find the approximate value of the number which should replace (?) in the following questions.

Question 11

2345.66+3364.58 - 1245.78 + 186.5 = (?)

A   4680

B   4649

C   4555

D   4651

E   4653

   Answer: D

Explanation:
2345.66+3364.58 - 1245.78 + 186.5 = 2345.66 + 2118.8 + 186.5 = 4650.96 $\approx$ 4651
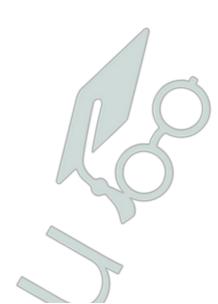So the correct answer for this question is option D.

Question 12

24.85*41.7+ 31.12*36.8+2.55*141 = (?)

A   2550

B   2580

C   2535

D   2581

E   2519

   Answer: A

Explanation:

24.85*41.7+ 31.12*36.8+2.55*141 = ~ 25*42 + 31*37 + 2.5*141 = 1050+1147+352.5 = 2549.5 = ~ 2550
So the correct option to choose is A.

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Question 13

115% of 345 + 46% of 234 = (?)

A 489.5

B 507.8

C 523.5

D 504.3

E 514.2

Answer: D

Explanation:
115% of 345 + 46% of 234 = 1.15*345+0.46*234 = 396.7+107.64 = 504.3
So the correct value that replaces (?) is option D.

Question 14

$\sqrt{1370} * \sqrt{3720}$ **= (?)**

A 2204

B 2251

C 2248

D 2246

E 2257

Answer: E

Explanation:
$\sqrt{1370} * \sqrt{3720}$ = ~37*61 = 2257
So the correct value that replaces (?) is option E.

Question 15

$\frac{3}{7}$ **of** $\frac{4}{9}$ **of 3339 = (?)**

A 654

B 672

C 631

D 636

E 659

Answer: D

Explanation:

$\frac{3}{7}$ of $\frac{4}{9}$ of 3339 =~636

So the correct value that replaces (?) is option D.

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