



Bodmas questions for RRB Group D Set-2 PDF

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Instructions

For the following questions answer them individually

Question 1

$$4 + \frac{1}{6} \times [\{ -12 \times (24 - 13 - 3) \} \div (20 - 4)] = ?$$

- A 4
- B 6
- C 5
- D 3

Answer: D

Explanation:

$$\begin{aligned} & 4 + \frac{1}{6} \times [\{ -12 \times (24 - 13 - 3) \} \div (20 - 4)] \\ &= 4 + \frac{1}{6} \times [\{ -12 \times 8 \} \div 16] \\ &= 4 + \frac{1}{6} \times -6 \\ &= 4 - 1 \\ &= 3 \end{aligned}$$

Question 2

The value of $16 - [5 - 2\{14 \text{ of } 2 - (8 \div 4 \times 2 - 1 + 3)\}]$ is :

- A 35
- B 45
- C 55
- D 65

Answer: C

Explanation:

$$\begin{aligned} & 16 - [5 - 2\{14 \text{ of } 2 - (8 \div 4 \times 2 - 1 + 3)\}] \\ &= 16 - [5 - 2\{28 - (2 \times 2 - 1 + 3)\}] \\ &= 16 - [5 - 2\{28 - (3 + 3)\}] \\ &= 16 - [5 - 44] \\ &= 11 + 44 \\ &= 55 \end{aligned}$$

Question 3

The value of $14 \div \{(5 \text{ of } 2 - 3)\} \times 4(7 - 2)$ is :

- A 44
- B 40
- C $\frac{1}{10}$
- D $\frac{14}{19}$

Answer: B

Explanation:

$$14 \div \{(5 \text{ of } 2 - 3)\} \times 4(7 - 2)$$

$$\begin{aligned}
 &= 14 \div 7 \times 4(5) \\
 &= 2 \times 4(5) \\
 &= 2 \times 20 \\
 &= 40
 \end{aligned}$$

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Question 4

$$0.296 + 2.96 + 29.6 + 296 = ?$$

- A 327.856
- B 328.756
- C 328.856
- D 327.756

Answer: C

Explanation:

$$0.296 + 2.96 + 29.6 + 296 = 328.856$$

Question 5

$$45 - [38 - (80 \div 4 - (8 - 12 \div 3) \div 4)] = ?$$

- A 25
- B 27
- C 26
- D 28

Answer: C

Explanation:

$$\begin{aligned}
 45 - [38 - (80 \div 4 - (8 - 12 \div 3) \div 4)] &= 45 - (38 - (20 - \frac{8-4}{4})) \\
 &= 45 - (38 - (20 - 1)) \\
 &= 45 - (38 - 19) = 45 - 19 = 26
 \end{aligned}$$

Question 6

$$(8 - (28 - 53)) \div (-4 \times 5 - (-9)) = ?$$

- A 11
- B -3
- C 3
- D -11

Answer: B

Explanation:

$$\begin{aligned}
 (8 - (28 - 53)) &= 8 - 28 + 53 = 33 \\
 (-4 \times 5 - (-9)) &= -20 + 9 = -11
 \end{aligned}$$

Therefore, $(8 - (28 - 53)) \div (-4 \times 5 - (-9)) = -11 = -3$

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Question 7

$8.73 \times 8.73 \times 8.73 + 4.27 \times 4.27 \times 4.27$
 $8.73 \times 8.73 - 8.73 \times 4.27 + 4.27 \times 4.27$ is equal to ----

- A 11
- B 13
- C $\frac{11}{7}$
- D None of these

Answer: B

Explanation:

$$(a^3 + b^3) / (a^2 - ab + b^2) = a + b$$

Substituting 8.73 for a and 4.27 for b, we get the answer

Question 8

$100 \times 10 - 100 + 2000 \div 100 = ?$

- A 29
- B 920
- C 980
- D 1000

Answer: B

Explanation:

By BODMAS, Division and Multiplication will be done before addition and subtraction.

Hence, $100 \times 10 - 100 + 2000 / 100 = 1000 - 100 + 20 = 920$

Question 9

$(1 - \frac{1}{2})(1 - \frac{1}{3})(1 - \frac{1}{4}) \dots (1 - \frac{1}{40}) = ?$

- A $\frac{1}{40}$
- B $\frac{1}{20}$
- C Countless
- D Zero

Answer: A

Explanation:

$$1 - 1/2 = 1/2$$

$$1 - 1/3 = 2/3$$

$$1 - 1/4 = 3/4$$

The denominator of the first term gets cancelled by the numerator of the second term and so on...

So, the final value = $1/40$

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Question 10

$5^5 \div (5^3 \times 2^2)$ is

- A 125
- B 31.25
- C 6.25
- D 12.5

Answer: C

Explanation:

$$5^5 \div (5^3 \times 2^2) = 5^2 / 2^2$$
$$= 25 / 4 = 6.25$$

Question 11

$2^4 \times 3^4 \times 8^4 \div (2 \times 3 \times 8)^3$ is

- A 576
- B 48
- C 96
- D 192

Answer: B

Explanation:

$$2^4 \times 3^4 \times 8^4 \div (2 \times 3 \times 8)^3$$
$$= \frac{2^{16} \times 3^4}{2^{12} \times 3^3} = 2^4 \times 3 = 48$$

Instructions

What approximate value should come in place of question-mark (?) in the following questions ? (You are expected to calculate the exact value)

Question 12

$(9321 + 5406 + 1001) \div (498 + 929 + 660) = ?$

- A 13.5
- B 4.5
- C 16.5
- D 7.5

Answer: D

Explanation:

$$9321 + 5406 + 1001 = 15728$$

$$498+929+660= 2087$$

$$15728 \div 2087= 7.536$$

So option D is the right answer.

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Question 13

$$561204 \times 58 = ? \times 55555$$

A 606

B 646

C 586

D 716

Answer: C

Explanation:

$$561204 \times 58 = ? \times 55555$$

$$\text{implies } ? = 561204 \times 58 \div 55555 = 586$$

Instructions

For the following questions answer them individually

Question 14

$$(7857 + 3596 + 4123) \div 96 = ?$$

A 155.06

B 162.25

C 151.83

D 165.70

Answer: B

Explanation:

$$7857 + 3596 + 4123 = 15576$$

$$15576 / 96 = 162.25$$

Question 15

Evaluate :- $(-216 \times 1728)^{\frac{1}{3}}$

A -72

B 27

C 72

D -27

Answer: A

Explanation:

$$(-216 \times 1728)^{\frac{1}{3}}$$

$$=(-6^3 \times 12^3)^3$$

$$=-72$$

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