







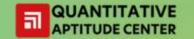
MATHEMATICAL OPERATION

Basic math operations include four basic operations:

- Addition (+)
- Subtraction (-)
- Multiplication (* or x) and
- Division (: or /)

These operations are commonly called arithmetic operations. Arithmetic is the oldest and most elementary branch of mathematics.





For every type of Mathematical operations question, you must know only one rule i.e. BODMAS. It is "Brackets, Orders, Division, Multiplication, Addition, and Subtraction. It means you must solve any equation in the BODMAS order. First, open the brackets, then solve the powers or roots, then perform Division followed by multiplication, Addition and subtraction

B	0	D	M	A	S
Brackets ()	Orders powers, roots	Division :	Multiplication x	Addition +	Subtraction —



- Q 1. If '<' means 'minus', '>' means 'plus', '=' means 'multiplied by' and '\$' means 'divided by', then what would be the value of 27 > 81 \$ 9 < 6?
- (a) 6
- (b) 33
- (c) 36
- (d) 54
- (e) None of these



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- (a) 6
- (b) 33
- (c) 36
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MATHEMATICAL OPERATION

Q 2. If \div means \times , \times means +, + means - and - means \div , find the value of $16 \times 3 + 5 - 2 \div 4$.

- (a) 9
- (b) 10
- (c) 19
- (d) 29
- (e) None of these



MATHEMATICAL OPERATION

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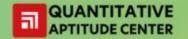
- (a) 9
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- (e) None of these



MATHEMATICAL OPERATION

Q 3. If + means -, - means \times , ÷ means + and \times means ÷, then 15 – 3 + 10 \times 5 ÷ 5 =?

- (a) 5
- (b) 22
- (c) 48
- (d) 52
- (e) None of these



MATHEMATICAL OPERATION

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MATHEMATICAL OPERATION

Q 4. If \div means +, - means \div , × means – and + means × $\frac{(36 \times 4) - 8 \times 4)}{4 + 8 \times 2 + 16 \div 1}$

- (a) 0
- (b) 8
- (c) 12
- (d) 16
- (e) None of these

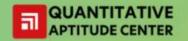


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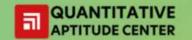


- Q 5. If Q means 'add to', J means 'multiply by', T means 'subtract from' and K means 'divide by', then30 K 2 Q 3 J 6 T 5 =?
- (a) 18
- (b) 28
- (c) 31
- (d) 103
- (e) None of these

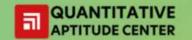


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- Q 6. If 'when' means 'x', 'you' means '\text{-'}, 'come' means '-' and 'will' means '+', then what will be the value of "8 when 12 will 16 you 2 come 10"?
- (a) 45
- (b) 94
- (c) 96
- (d) 112
- (e) None of these



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MATHEMATICAL OPERATION

Q 7. If A stands for +, B stands for -, C stands for ×, then what is the value of (10 C 4) A (4 C 4) B 6?

- (a) 60
- (b) 56
- (c) 50
- (d) 46
- (e) None of these

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UNIVERSITY



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MATHEMATICAL OPERATION

Directions (Questions 11 to 14): In an imaginary language, the digits 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 are substituted by a, b, c, d, e, f, g, h, I and j. And 10 is written as ba.

Q 8. $(cd + ef) \times bc$ is equal to

- (a) 684
- (b) 816
- (c) 916
- (d) 1564
- (e) None of these

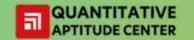


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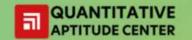
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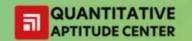
MATHEMATICAL OPERATION

Q 9. baf \div bf \times d is equal to

- (a) df
- (b) cb
- (c) be
- (d) d
- (e) None of these



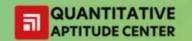
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MATHEMATICAL OPERATION

Q 10. $dc \times f - (bf - d) \times d$ is equal to

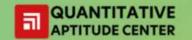
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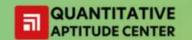
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MATHEMATICAL OPERATION

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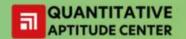
- (a) bhc
- (b) bic
- (c) bib
- (d) bja
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MATHEMATICAL OPERATION

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MATHEMATICAL OPERATION

Q 12. If '-' stands for 'division', '+' for 'multiplication', '+' for 'subtraction' and 'x' for 'addition', then which one of the following equations is correct?

(a)
$$4 \times 5 + 9 - 3 \div 4 = 15$$

(b)
$$4 \times 5 \times 9 + 3 \div 4 = 11$$

(c)
$$4 - 5 \div 9 \times 3 - 4 = 17$$

(d)
$$18 + 6 \div 7 \times 5 - 2 = 18$$



MATHEMATICAL OPERATION

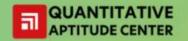
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MATHEMATICAL OPERATION

Q 13. If '-' stands for 'division', '+' for 'multiplication', '+' for 'subtraction' and 'x' for 'addition' which one of the following equations is correct?

(a)
$$6 + 20 - 12 \div 7 - 1 = 38$$

(b)
$$6 - 20 \div 12 \times 7 + 1 = 57$$

(c)
$$6 + 20 - 12 \div 7 \times 1 = 62$$

(d)
$$6 \div 20 \times 12 + 7 - 1 = 70$$



MATHEMATICAL OPERATION

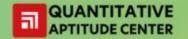
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MATHEMATICAL OPERATION

Q 14. If → stands for 'addition', ← stands for 'subtraction', ↑ stands for 'division', ↓ stands for 'multiplication', ↗ stands for 'equal to', then which of the following alternatives is correct?

(a)
$$7 \leftarrow 43 \uparrow 6 \downarrow 1 \nearrow 4$$

(b)
$$3 \downarrow 6 \uparrow 2 \rightarrow 3 \leftarrow 6 \nearrow 5$$

(c)
$$5 \rightarrow 7 \leftarrow 3 \uparrow 2 \nearrow 4$$

(d)
$$2 \downarrow 5 \leftarrow 6 \rightarrow 2 \nearrow 6$$



MATHEMATICAL OPERATION

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(b)
$$3 \downarrow 6 \uparrow 2 \rightarrow 3 \leftarrow 6 \nearrow 5$$

(c)
$$5 \rightarrow 7 \leftarrow 3 \uparrow 2 \nearrow 4$$

(d)
$$2 \downarrow 5 \leftarrow 6 \rightarrow 2 \nearrow 6$$



MATHEMATICAL OPERATION

Q 15. If '÷' stands for 'greater than', '×' stands for 'addition', '+' stands for 'division', '-' stands for 'equal to', '>' stands for 'multiplication', '=' stands for 'less than' and '<' stands for 'minus', then which of the following alternatives is correct?

(a)
$$5 > 2 < 1 - 3 \times 4 \times 1$$

(b)
$$5 < 2 \times 1 + 3 > 4 \times 1$$

(c)
$$5 > 2 \times 1 - 3 > 4 < 1$$

(d)
$$5 + 2 \times 1 = 3 + 4 > 1$$



MATHEMATICAL OPERATION

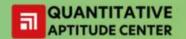
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$$5 + 2 \times 1 = 3 + 4 > 1$$



MATHEMATICAL OPERATION

Directions: In each of the following questions, some symbols are represented by letters as shown

+	-	×	÷	=	>	\
В	G	E	C	D	A	F

Now, identify the correct expression in each case.

Q 16.

- (a) 18 C 3 D 6 B 8 C 4 G 12
- (b) 18 A 3 E 6 B 8 G 4 B 12
- (c) 18 B 3 G 6 B 8 B 4 D 12
- (d) 15 C 5 F 8 C 4 B 6 C 3
- (e) None of these



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- (c) 18 B 3 G 6 B 8 B 4 D 12
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- (a) 15 B 5 G 8 B 4 G 6 F 3
- (b) 15 C 15 B 8 F 4 B 6 C 3
- c) 15 A 5 E 8 C 4 B 6 E 3
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