

QUESTIONS

- 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) 50 (c) 56 (d) 20
- If A denotes ÷, B denotes ×, C denotes + and D denotes −, then the value of 18 B 12 A 4 C 5 D 6 is _____.
(a) 36 (b) 59 (c) 53 (d) 70
- If '+' denotes 'minus', '×' denotes 'divided by', '÷' denotes 'plus' and '−' denotes 'multiplied by', then which of the following will be the value of the expression $252 \times 9 - 5 + 32 \div 92$?
(a) 95 (b) 168 (c) 200 (d) 210
- If '+' denotes 'divided by', '−' denotes 'added to', and '÷' denotes 'multiplied by', then what is the value of $24 \div 12 - 18 + 9$?
(a) 110 (b) 220 (c) 290 (d) 300
- If '×' denotes '−', '−' denotes '×', '+' denotes '÷' and '÷' denotes '+', then $13 - 12 \div 400 + 20 \times 100$
(a) 76 (b) 90 (c) 176 (d) 186
- If '−' stands for '÷', '÷' stands for '−', '+' stands for '×' and '×' stands for '+', then $12 - 4 \times 7 + 8 \div 5$ is
(a) 51 (b) 45 (c) 34 (d) 54
- If '+' denotes '÷', '÷' denotes '−', and '×' denotes '+' then $12 + 2 \times 9 \div 4$ is _____.
(a) 4 (b) 9 (c) 11 (d) 18
- If '+' denotes '−', '−' denotes '×', '×' denotes '÷' and '÷' denotes '+', then $15 \times 3 \div 15 + 5 - 2$ is
(a) 0 (b) 10 (c) 8 (d) 20
- If '+' stands for '−', '−' stands for '×', '×' stands for '÷' and '÷' stands for '+', then $12 \times 4 \div 12 + 5 - 3$ is _____.
(a) 8 (b) 10 (c) 20 (d) 0
- If '+' denotes '×', '÷' denotes '−', '×' denotes '÷' and '−' denotes '+', then $5 + 12 \div 7 - 44 \times 2$ is _____.
(a) 89 (b) 75 (c) 65 (d) 83
- If A stands for 'plus', B stands for 'minus', C stands for 'multiplied by' and D stands for 'divided by' then 18 C 14 A 6 B 16 D 4 is _____.
(a) 254 (b) 256 (c) 288 (d) 1201
- If P denotes 'multiplied by', T denotes 'subtraction', Y denotes 'added to' and Z denotes 'divided by', then 2 8 Z 7 P 8 T 6 Y 4 is _____.
(a) 15 (b) 30 (c) 32 (d) 34
- If * means "is greater than", @ means "is less than"; and \$ means "is equal to" and if a \$ b and b @ c, then _____.
(a) c * a (b) b * c (c) c * b (d) Both (a) and (c)
- If '−' stands for 'division', '+' stands for 'multiplication', '÷' stands for 'subtraction' and '×' stands for 'addition', then which one of the following equations is correct?
(a) $6 + 20 - 12 \div 7 - 1 = 38$ (b) $6 - 20 + 12 \div 7 + 1 = 57$
(c) $6 \div 20 \times 12 + 7 - 1 = 70$ (d) $6 + 20 - 12 \div 7 \times 1 = 62$
- If '+' stands for 'division', '÷' stands for 'multiplication', '×' stands for 'subtraction' and '−' stands for 'addition', then which one of the following equations is correct?
(a) $18 \div 6 \times 7 + 5 - 2 = 22$ (b) $18 + 6 \div 7 \times 5 - 2 = 18$
(c) $18 \div 6 - 7 + 5 \times 2 = 20$ (d) $18 \div 6 + 7 - 5 - 2 = 16$
- If '−' stands for 'division', '+' stands for 'multiplication', '÷' stands for 'subtraction' and '×' stands for 'addition', then which one of the following equations is correct?
(a) $2 \times 5 \times 6 + 3 \div 2 = 23$ (b) $2 \times 5 + 6 - 3 \div 2 = 23$
(c) $2 - 5 \div 6 \times 3 - 2 = 23$ (d) $2 \div 5 + 6 - 3 + 2 = 23$
- Which of the following interchanges in signs would make the given equation correct?
 $16 - 4 \times 2 + 5 \div 1 = 12$
(a) + and − (b) − and × (c) ÷ and − (d) + and ÷

18. Which one of the following interchanges in signs and numbers would make the equation true?
 $3 + 5 - 2 = 4$
 (a) + and -, 2 and 5 (b) + and -, 3 and 5 (c) + and -, 2 and 3 (d) None of these
19. If A is written as '-', B is written as '÷', C is written as '+' and D is written as '×', then what is the value of 1 5 B 3 C 2 4 A 1 2 D 2 ?
 (a) 2 (b) $\frac{5}{9}$ (c) 34 (d) 5
20. If '+' is written as '×', '×' is written as '-', '÷' is written as '+' and '-' is written as '÷', then what is the value of $288 - 32 + 6 \times 45 \div 9$?
 (a) 0 (b) 18 (c) 9 (d) 81
21. If P denotes '×', T denotes '-', M denotes '+' and B denotes '÷'. then $28 B 7 P 8 T 6 M 4 = ?$
 (a) $-3/2$ (b) 30 (c) 32 (d) 34
(SOF NCO 2016)
22. Read the following information carefully.
 'A@B' means 'A is added to B'.
 'A*B' means 'A is multiplied by B'.
 'A#B' means 'A is divided by B'.
 'A\$B' means 'B is subtracted from A'.
 Total age of 12 boys is 'X' and the total age of 13 girls is 'Y'. What is the average age (a) of all the boys and girls together?
 (a) $A = (X@Y) \# 25$ (b) $A = (X\$Y) \# 25$
 (c) $A = (X@Y) * 25$ (d) None of these
(SOF NSO 2016)
23. If 'you' stands for '÷', 'are' stands for '+' and 'great' stands for '×', then what will be the value of '50 you 2 are 3 great 4'?
 (a) 32 (b) 37 (c) 47 (d) 73
(SOF IMO 2016)
24. If the digits '6' and '4', signs '+' and '×' are interchanged on the left hand side of each option, then which of the following options becomes correct?
 (a) $6 + 4 \times 2 = 26$ (b) $4 + 6 \times 2 = 12$ (c) $6 \times 4 + 2 = 20$ (d) $4 \times 2 + 6 = 8$
(SOF NSO 2017)
25. If '-' stands for 'division', '+' stands for 'multiplication', '÷' stands for 'subtraction' and '×' stands for 'addition', then which of the following statements is CORRECT?
 (a) $265 \div 11 + 2 - 14 = 22$ (b) $46 + 10 \div 10 - 5 = 92$
 (c) $66 - 3 + 11 \div 12 = 230$ (d) $2 + 14 - 4 \div 11 = 16$
(SOF IMO 2017)

ANSWER - KEY				
1. B	2. C	3. C	4. C	5. A
6. D	7. C	8. B	9. D	10. B
11. A	12. B	13. D	14. C	15. B
16. A	17. C	18. B	19. D	20. B
21. B	22. A	23. B	24. A	25. C

EXPLANATIONS

1. (b) : Given expression $= (10 \times 4) + (4 \times 4) - 6 = 40 + 16 - 6 = 50$
2. (c) : Given expression $= 18 \times 12 \div 4 + 5 - 6 = 18 \times 3 + 5 - 6 = 5$
3. (c) : Given expression $= 252 \div 9 \times 5 - 32 + 92 = 28 \times 5 - 32 + 92 = 200$
4. (c) : $24 \times 12 + 18 \div 9 = 24 \times 12 + 2 = 288 + 2 = 290$
5. (a) ; Given expression $= 13 \times 12 + 400 \div 20 - 100 = 76$
6. (d) : Given expression $= 12 \div 4 + 7 \times 8 - 5 = 3 + 56 - 5 = 54$
7. (c) : Given expression $= 12 \div 2 + 9 - 4 = 6 + 9 - 4 = 11$
8. (b) : Given expression $= 15 \div 3 + 15 - 5 \times 2 = 5 + 15 - 10 = 10$
9. (d) : Given expression $= 12 \div 4 + 12 - 5 \times 3 = 3 + 12 - 15 = 0$
10. (b) : Given expression $= 5 \times 12 - 7 + 44 \div 2 = 5 \times 12 - 7 + 22 = 60 - 7 + 22 = 75$
11. (a) : Given expression $= 18 \times 14 + 6 - 16 \div 4 = 18 \times 14 + 6 - 4 = 254$
12. (b) : Given expression $= 28 \div 7 \times 8 - 6 + 4 = 4 \times 8 - 6 + 4 = 32 - 6 + 4 = 36 - 6 = 30$
13. (d) : Using the correct symbols, we get $a=b$ and $b < c$
14. (c) : Putting the correct notations in (c), we have
 $LHS = 6 - 20 + 12 \times 7 \div 1 = 70$
15. (b) : Using the correct symbols in (B) we get
 $LHS = 18 \div 6 \times 7 - 5 + 2 = 3 \times 7 - 5 + 2 = 21 - 5 + 2 = 18$
16. (a) : Using the proper notations in (a), we get
 $LHS = 2 + 5 + 6 \times 3 - 2 = 2 + 5 + 18 - 2 = 23$
17. (c) : On interchanging - and $\div$, we get
 $LHS = 16 \div 4 \times 2 + 5 - 1 = 4 \times 2 + 5 - 1 = 12$
18. (b) : On interchanging (+ and -) and (3 and 5), $3 + 5 - 2$ becomes $5 - 3 + 2 = 4$
19. (d) Not Available
20. (b) Not Available
21. (b) Not Available
22. (a) Not Available
23. (b) Not Available
24. (a) Not Available
25. (c) Not Available