

\* Choose The Right Answer From The Given Options.[1 Marks Each]

[5]

1.  $11 \div 11 + 11 \times 11 = ?$

- (A) 1 (B) 10 (C) 122 (D) 110

Ans. : (C) 122

2.  $8 \times 8 - 8 = ?$

- (A) 0 (B) 56 (C) 1 (D) 64

Ans. : (B) 56

3. The number of terms in the expression  $7 \times 9 + 7 : ?$

- (A) 1 (B) 2 (C) 3 (D) 0

Ans. : (B) 2

4.  $5 \times (7 + 3) = ?$

- (A)  $5 \times 7 \times 3$  (B)  $5 \times 7 + 3$  (C)  $5 \times 7 + 5 \times 3$  (D)  $7 + 5 \times 3$

Ans. : (C)  $5 \times 7 + 5 \times 3$

5. Which of the following is not true?

- (A)  $(7 + 8) + 9 = 7 + (8 + 9)$   
(B)  $(7 \times 8) \times 9 = 7 \times (8 \times 9)$   
(C)  $7 + 8 \times 9 = (7 + 8) \times (7 + 9)$   
(D)  $7 \times (8 + 9) = (7 \times 8) + (7 \times 9)$

Ans. : (C)  $7 + 8 \times 9 = (7 + 8) \times (7 + 9)$

\* a statement of Assertion (A) is followed by a statement of Reason (R). Choose the correct option. [2]

6. **Assertion(A):** Expression  $7 \times 8 + (-4)$  has two terms.

**Reason(R):** In an expression, terms are the parts of the expression separated by a 'x' sign.

- (A) Both assertion and reason are true, and the reason is the correct explanation of the assertion.  
(B) Both assertion and reason are true, but the reason is not the correct explanation of the assertion.  
(C) Assertion is true, and the reason is false.  
(D) Assertion is false, and the reason is true.

Ans. : (C) Assertion is true, and the reason is false.



7. **Assertion(A):** Adding the terms of the expression  $(-7) + 10 + (-11)$  in any order gives the same result -8.

**Reason(R):** Grouping and reordering the terms do not change the sum.

(A) Both assertion and reason are true, and the reason is the correct explanation of the assertion.

(B) Both assertion and reason are true, but the reason is not the correct explanation of the assertion.

(C) Assertion is true, and the reason is false.

(D) Assertion is false, and the reason is true.

**Ans.:** (A) Both assertion and reason are true, and the reason is the correct explanation of the assertion.

\* **State Whether The Following Sentences Are True Or False.[1 Marks Each]** [4]

8.  $3 \times (7 - 6) = 3 \times 7 + 3 \times 6$

**Ans. :** False

9.  $97 \times 25 = (100 - 3) \times 25$

**Ans. :** True

10. Addition of the terms of an expression in different orders gives the different values.

**Ans. :** False

11.  $78 \times 21 - 18 > 78 \times 19 + 10$

**Ans. :** True

\* **Fill In The Blanks With Correct Alternative.[1 Marks Each]** [5]

12.  $12 + (8 + 7) = (12 + \underline{\quad}) + 7.$

**Ans. :** 8

13.  $3 \times (7 \times 9) = (3 \times \underline{\quad}) \times 9.$

**Ans. :** 7

14.  $7 \times 3 - 7 \times 7 = 7 \times (\underline{\quad} + \underline{\quad}).$

**Ans. :**  $3 + 7$

15.  $24 + (6 - 4) = 24 + 6 + \underline{\quad}.$

**Ans. :** (-4)

16.  $117 - 69 = (-168) + \underline{\quad}.$

**Ans. :** 216

\* **Answer The Following Questions In One Sentence.[1 Marks Each]** [6]

17. A farmer has 25 orange trees and 15 apple trees. Each orange tree yields 12 oranges, and each apple tree yields 8 apples. What is the total number of fruits the farmer has?

**Ans. :** 420 fruits

18. Neha bought 5 pencils, the cost of each pencil is ₹ 6, and Rita bought 4 erasers, which cost ₹ 4 each. How much money does they have to spend to buy these items?

**Ans. :** ₹ 46

19. Evaluate the following.

(a)  $10 - 11 + 12 - 13 + 14 - 15 + 16 - 17 + 18 - 19 + 20$

(b)  $2 - 2 + 2 - 2 + 2 - 2 + 2 - 2 + 2 - 2$

**Ans. :** (a) 15,

(b) 0 .

20. A chicken pen held 7 chickens. Each chicken lays 5 eggs a day. How many eggs would they get altogether after 32 days?

**Ans. :** 1120 eggs

21. A school is organizing a field trip for 25 students. Each student need to pay ₹200 for the bus, and another ₹50 for snacks. How much money will the school collect in total?

**Ans. :** ₹ 6250

22. Simplify the numerical expression :

$$36 - 9 + 2 \times 6 - 16$$

**Ans. :**  $36 - 9 + 2 \times 6 - 16$

$$= (36 + 9) + (2 \times 6) - 16$$

$$= 4 + 12 - 16$$

$$= 16 - 16 = 0$$

Thus,  $36 - 9 + 2 \times 6 - 16 = 0$ .

**\* Questions With Calculation.[2 Marks Each]**

**[18]**

23. The total age of the three kids in a family is 27 years. What will be the total of their ages after three years?

**Ans. :** Given,

Total age of three kids = 27 years After three years, the age of each kid will increase by 3.

So, the total age after three years =  $27 + 3 \times 3$

$$= 27 + 9$$

$$= 36$$

Therefore, the total age of three kids after three years will be 36 years.

24. Jessi ran 12 laps every day for two weeks. How many laps did she run in all?

**Ans. :** Number of laps run by Jessi in a day = 12

Number of days = 2 weeks =  $2 \times 7$  days = 14 days

Total laps run by Jessi in 2 weeks =  $12 \times 14$

= 168

25. A farmer has 25 orange trees and 15 apple trees. Each orange tree yields 12 oranges, and each apple tree yields 8 apples. What is the total number of fruits the farmer has?

**Ans. :** 420 fruits

26. Neha bought 5 pencils, the cost of each pencil is ₹ 6, and Rita bought 4 erasers, which cost ₹ 4 each. How much money does they have to spend to buy these items?

**Ans. :** ₹ 46

27. Evaluate the following.

(a)  $10 - 11 + 12 - 13 + 14 - 15 + 16 - 17 + 18 - 19 + 20$

(b)  $2 - 2 + 2 - 2 + 2 - 2 + 2 - 2 + 2 - 2$

**Ans. :** (a) 15,

(b) 0 .

28. A chicken pen held 7 chickens. Each chicken lays 5 eggs a day. How many eggs would they get altogether after 32 days?

**Ans. :** 1120 eggs

29. A school is organizing a field trip for 25 students. Each student need to pay ₹ 200 for the bus, and another ₹ 50 for snacks. How much money will the school collect in total?

**Ans. :** ₹ 6250

30. Mehak bought 16 toys priced equally for ₹ 1248. The amount of ₹ 252 is still left with him. Find the cost of each toy and the amount she had.

**Ans. :** Given,

Number of toys Mehak bought = 16 toys

Cost of 16 toys = ₹ 1248

Cost of one toy =  $\frac{1248}{16} = ₹ 78$

Amount left with him = ₹ 252

Amount she gave = ₹ 1248

Amount she had initially =  $1248 + 252 = ₹ 1500$

Thus, the cost of each toy was ₹ 78, and she had the amount of ₹ 1500.

31. A store sells 15 boxes of cookies. Each box contains 6 chocolate chip cookies and 4 peanut butter cookies. How many cookies are there in total?



**Ans. :** Number of chocolate chip cookies in a box = 6  
 Number of peanut butter cookies in a box = 4  
 Total number of cookies in the box = 6 + 4  
 Therefore, the total number of cookies in such 15 boxes =  $15 \times (6 + 4)$   
 $= 15 \times 10$   
 $= 150$  cookies.

\* Match the following.

[4]

32.

Column A	Column B
(a) $15 + 17 - 14$	(i) 80
(b) $8 - 7 + 4 \times 2$	(ii) 28
(c) $(3 + 10) \times 8$	(iii) 18
(d) $14 \times 10 - 6 \times 10$	(iv) 9
	(v) 104

**Ans. :**

Column A	Column B
(a) $15+17-14$	(i) 18
(b) $8-7+4 \times 2$	(ii) 9
(c) $(3+10) \times 8$	(iii) 104
(d) $14 \times 10 - 6 \times 10$	(iv) 80

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