doubtnut
India's Number 1 Education App

MATHS

BOOKS - JNAN PUBLICATION

CONCEPT OF ALGEBRAIC VARIABLES

Example

1. I am 4 years younger than my brother. If brother's age is X years, my age in terms of my brother's age.

Watch Video Solution

2. Rafika Begum and Aajma Khatoon, are making garlands .Aajma Khatoon made 6 garlands more that Rafika Begum. Let us form a relation to find the number of garlands Aajma Khatoon made.

Watch Video Solution

3. In our shop, there are many oil pastel colour boxes. Each box has 12 pastel colours. Without counting, let us form a relation to find how many pastel colours are there in the shop.

Watch Video Solution

4. At a programme of our school, we seated ourselves in rows. In each row there are 15 students. Let us form a solution to find total number of student seated.

Watch Video Solution

5. Sitting beside a pond, Partha and Tirtha, both were trying to catch fish. Partha caught 5 fishes more than Tirtha. Let us express the number of fishes caught by Partha in terms of the number of fishes caught by Tirtha.

Watch Video Solution

6. Mita and Maya are making paper boats. Mita made 2 boats less than Maya. Let us form a

relation to find the number of boats made by Mita.

Watch Video Solution

7. Grandmother prepared coconut sweets today. She gave my brother 2 more sweets than she gave me and my sister got 3 less than me. Let us form a relation to find how many sweets my brother and sister got in terms of the unknown number of sweets I got.

Watch Video Solution

8. Write in language the following expression.

(a) 10a

Watch Video Solution

9. Write in language the following expression.

(b) a + c

Watch Video Solution

10. Write in language the following expression.

(c) x - y

Watch Video Solution

11. Write in language the following expression.

(d) 9x + 2

Watch Video Solution

12. Write in language the following expression.

(e) $x + y + z$

Watch Video Solution

13. Write in language the following expression.

(f) $3x - 7$

Watch Video Solution

14. Write in language the following expression.

(g) $\frac{P}{3} - 4$

Watch Video Solution

15. Write in language the following expression.

(h) $x > 6$

Watch Video Solution

16. Write in language the following expression.

(i) $p \not> 9$

Watch Video Solution

17. Form algebraic expression with signs and symbol—(a) sum of a and 7

Watch Video Solution

18. Form algebraic expression with signs and symbol—(b) Subtract 9 from y

Watch Video Solution

19. Form algebraic expression with signs and symbol—(c) Multiply a by 3

Watch Video Solution

20. Form algebraic expression with signs and symbol—(d) x is greater than 13

Watch Video Solution

21. Form algebric expression with signs and symbol—(e) y is not equal to 5

Watch Video Solution

22. Form algebric expression with signs and symbol—(f) x is divided by 8

Watch Video Solution

23. Form algebric expression with signs and symbol— (g) Sum of ten times P and 7

Watch Video Solution

24. Form algebric expression with signs and symbol— (h) 8 subtracted from 3 times x

Watch Video Solution

25. Form algebric expression with signs and symbol—(i) Sum of x and y

Watch Video Solution

26. Form algebric expression with signs and symbol—(j) Product of x and y

Watch Video Solution

27. Form algebric expression with signs and symbol—(k) x is less than y

Watch Video Solution

28. Form algebric expression with signs and symbol—(l) b is not less than 8

Watch Video Solution

29. Find the difference between the following set of algebraic expression.

x + 5, x - 5,

Watch Video Solution

30. Find the difference between the following set of algebraic expression. $2p + 3, 2p - 3$

Watch Video Solution

31. Find the difference between the following set of algebraic expression. (iii) Lets us prepare four different alegebraic experssion with the variable x and constant 6. Write in statement the expression formed and find difference amongst them.

Watch Video Solution

32. Find the difference between the following set of algebraic expression. (iv) Lets us prepare four different algebraic expression with the variable x and two different constants 9 and 7?

Watch Video Solution

33. find the difference between the following set of algebraic wxpression. (v) With two variable and one constant, let us prepare four

different expressions and find difference amongst them [do myself]

Watch Video Solution

34. Read and fill in the gaps (a) Present age of Mukti is x years, 4 years later her age will be — years.

Watch Video Solution

35. Read and fill in the gaps (b) Present age of Firox is 'y' years., 7 years ago his age was — years.

Watch Video Solution

36. Read and fill in the gaps (c) In Kumud's garden there are x number of saplings of marigold. But in Shahida's garden, there are three times more saplings. There are — saplings in Shahind's garden.

Watch Video Solution

37. Read and fill in the gaps (d) Funds were collected for repairing the roads of Durganagar. Habib paid RS. X but Muskan paid Rs. 10 more than twice the money. Muskan paid Rs. —

Watch Video Solution

38. Read and fill in the gaps(e) Height of Devid is 3 cm less than Aminur. If hiehgt of Aminur is

'x' cm, height of Devid is — cm.

Watch Video Solution

Exercise

1. Today, my father bought 7 packets of biscuits. But yesterday my brother bought 5 packets of biscuit. If each packet has 10 biscuits, let us find the total number of biscuits.

Watch Video Solution