

2 MATCHBOX ALGEBRA 3A W/S X

EXERCISE 1

Write each of the following as an equation

1. x added to 5 is equal to 9
2. 6 added to a is equal to 8
3. 8 subtracted from b is equal to 15
4. 15 subtracted from x is equal to 7
5. 9 less than t is 9
6. If 4 is added to y the answer is 12
7. When 3 is subtracted from x the answer is 5
8. y added to 8 gives 11
9. r added to r gives 16
10. When 8 is subtracted from x the answer is 9
11. A number p is 4 more than 13
12. p minus q is equal to zero
13. The sum of a and b is 10
14. The difference between x and y is 35 when x is greater than y
15. The length p cm of a rectangle is 6 cm more than the breadth q cm
16. Adding 26 to the sum of x and y gives 240
17. The sum of a , b and c is 360
18. Now solve the equations you obtained in Q1-10.

EXERCISE 2

Write each of the following as an equation and then solve the equation.

- 32 pupils are on the roll of a class. The number present is 28 and a are absent. Find a .
- A drama group consists of p people. 20 new members join. The total number of people in the drama group is now 65. Find p .
- There are 32 passengers on a bus. At the next stop x people board the bus. The total number of passengers is now 44. Find x .
- A book contains 562 pages. After a pages have been read the number still to be read is 92. Find a .
- A farmer has 135 cows and buys c more cows at the market. He now has 202 cows. Find c .
- x and $y + 3$ represent the same number. If $y = 32$, find x .
- a and $b - 15$ represent the same number. If $a = 50$, find b .
- $x + 5$ added to 30 gives 48. Find x .
- The sum of x and y is 150. If y is 55 what is x .
- r is equal to the sum of 3 and s
 - Given $s = 20$, find r
 - Given $r = 32$, find s
- p is equal to the sum of q and r
 - Given $q = 19$ and $r = 11$ find p
 - Given $p = 41$ and $q = 8$ find r
 - Given $p = 281$ and $r = 178$ find q
- Bill weighs 8kg more than Bob and Bob weighs w kg. If Bill weighs 73kg what does Bob weigh?