Algebraic Expression

1. A number multiplied by 3 and added with 6 is equal to 21, figure the number.

2. A number multiplied by 6 and added with 21 has the same result as it multiplied with 8 and deducted with 7.

3. There is a rectangle garden with width 50m. If 260m of fence is used to form the outside border of the garden, what is the perimeter of the garden?

4. Sam bought a bottle of apple juice and a pack of raisin biscuit with RM 16, if the price of apple juice is RM 1.40 higher than price of raisin biscuit, what is the price of raisin biscuit?

5. The sum of two successive whole number is 53, what is the two numbers?

6. The sum of three successive even numbers is 84, what the three numbers?

7. 7 years later, the father's age is four times the son's age, if the son present age is 5, find the present age of father.

8. The sum of the ages of a father and son is 42. Five years later the age of the father will be 10 more than five times the age of the son. Find the present ages of the father and the son.

9. Mary's mother gave her RM24 , her savings now is three times than the original. How much is her total saving earlier?

10. Jenny has RM 32 and her sister has RM 28. Jenny's sister gave her some money, end up Jenny's saving is twice more than her sister. How much money Jenny's sister gave to her?

11. Total savings for A, B and C is RM 1520. If A savings is RM 270 more than B and B savings is RM 100 more than C. Find savings for A, B and C individually.

12. Total savings RM 1000 for A and B, after A gave RM 28 to B, the savings for A is now four times to B. How much they owned before this happened?

13. Ticket prices for S Lagoon per entry is RM 40 for adult and RM 20 for children. There is a total sale of 1400 tickets and amount of sales is RM 40000 in one day, find the number of tickets for adult and children.

14. The distance between city A and B is 450km. Mr tan driving 80km/h from city A to B and Mr Wong driving 70km/h from city B to A, if they departing at the same time, how long will it take for the two cars to meet?

15. Old McDonald raises goats and chickens. The animals have a total of 100 heads and 360 feet. How many goats and how many chickens does Mr. McDonald have?

16. The sum of three successive even number is 384, find the largest even number

17. A number is 3/7 times another number. If their sum is 60, find the numbers.

18. In a school hostel, if three students allocated in a room, there will be 20 students have to withdraw from the hostel; if five students allocated in a room, there will have 2 empty room. Find the number of rooms in the hostel and number to students enrolled.

19. Sum of three successive odd number is 51, find the three numbers.

20. Sum of five successive odd number is 165, find the smallest number

21. Solve x

a. $\frac{2x+3}{2} - \frac{x+1}{3} = 1$

b. $2x - \frac{17-2x}{2} = \frac{4x-9}{2}$

c. $x - 7 = \frac{3}{4}x$

d. $\frac{x}{3} + 1\frac{1}{2} = \frac{2x}{9} - \frac{x}{6} + 4$

e. $\frac{x}{3} - 2\left(\frac{1}{5} + \frac{1}{3}x\right) = \frac{3}{5}x - \frac{2}{3}$