



Date: _____

Mark: _____



Express each of the following as an algebraic expression.

1. 7 plus a

2. k times of 5
3. Sum of 12 and k

4. Subtract 13 from p

5. Q divided by 9
6. Product of 9 and C

7. Half of D

8. e less than 6


Viète(1540-1603) is a French mathematician. He made use of alphabet to represent unknown numbers systematically. This makes great contribution on Algebra and he is then known as the father of Algebra.



Write algebraic expressions for the answers.

9. After Elsa drank 70 mL of milk, _____ mL of milk remains.



a mL

10. This boy grows by H cm this year. He is _____ cm tall this year.



I was 143 cm tall last year.

11. The perimeter of the square on the right is _____ cm.

L cm



12. Carrie divided marbles in the bag into 6 equal portions. There was _____ marbles in each portion.



S marbles

13. Which of the following(s) is/are algebraic expression(s)? Write the letter(s) for the answer.

- A. $6 + 11 = 17$ B. $\frac{C}{3}$ C. $12 - 5 = 7$
 D. 25 E. $n - 5$ F. $8a$

Answer: _____

14. Which of the following algebraic expressions represents 'add up d and 6, then subtract 4 from it'?

- A. $d + 2$ B. $d + 10$
 C. $d - 4$ D. $d - 10$

15. Grace bought 50 dumplings. After she put some in the fridge, m dumplings were left.

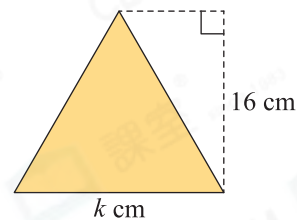
- (a) She put _____ dumplings in fridge.
 (b) She divided the remaining dumplings into 4 portions. There were _____ dumplings in each portion.

16. Irene bought 7 photo albums. The total thickness of them is t mm. What is the average thickness of each photo album?

Answer: _____ mm

17. An equilateral triangle is shown in the figure on the right.

- (a) Its perimeter is _____ cm.
 (b) Its area is _____ cm^2 .



18. The teacher divided the students evenly into 4 groups. There were $(x + 14)$ basketballs in the activity room at first. How many basketballs were there in the activity room after each group took 3 basketballs away?

- A. $x - 11$ B. $x + 10$
 C. $x - 7$ D. $x + 2$

- 19.



\$z each

Mrs Lee bought 3 notebooks for each of her two sons. How much should she pay?

Answer: \$ _____