

1 Equations and Expressions

1. $10 + -4$
2. $10 - \frac{4}{7}$
3. $-9 + 21$
4. $17 - 78$
5. $(3a + 4b + c) - (2a - 4c - 2)$
6. $(a - b - c) - (9 - a + 2c)$
7. $(7a + b - c) + (a - b + 3c)$
8. $(7c + 4a) - (2b - 1)$
9. $(a + b) + (-1 - 4 - a)$
10. You are buying a new desk. It's A feet by B feet. Write an expression for its area and its perimeter.
11. This year is 2017. What year will it be 10 years later?
12. This year is 2017. What year will it be B years later?
13. For every one boba you buy, you get 1 stamp. When you collect 10 stamps, you get one boba for free. How many free boba do you get if you buy 20 boba?
14. Each game of Clash of Clan is about 10 minutes. You realized you have been playing for half an hour. How many games did you play?
15. You spend d minutes on each math question. You finish a total of 20 math questions in 30 minutes. Write and solve the equation to find d.
16. For Chinese new year, you get x dollars from your parents and y dollars from one of your aunt. How much money do you have right now?
17. For Chinese new year, you get x dollars from your Dad and y dollars from your Mom. You now have 50 dollars. How much did you get from Dad and Mom?
18. You want to get a bouquet of rose for valentine's day. The bouquet is 20 dollars. You get a 10 percent discount and the tax is 10 percent of the discounted price. How much do you have to pay to buy the roses?
19. You keep track of how many steps you you walk each day for a week. They are 5003,7203,9089,4230,5594,8023,1800. What is the average number of steps you walk?
20. You get 1 penny on the first day, 2 pennies on the 2nd day, 4 pennies on the 3rd day, 8 pennies on the 4th day and so on. How much money do you have after 10 days? Do you think it's more than 10 dollars?