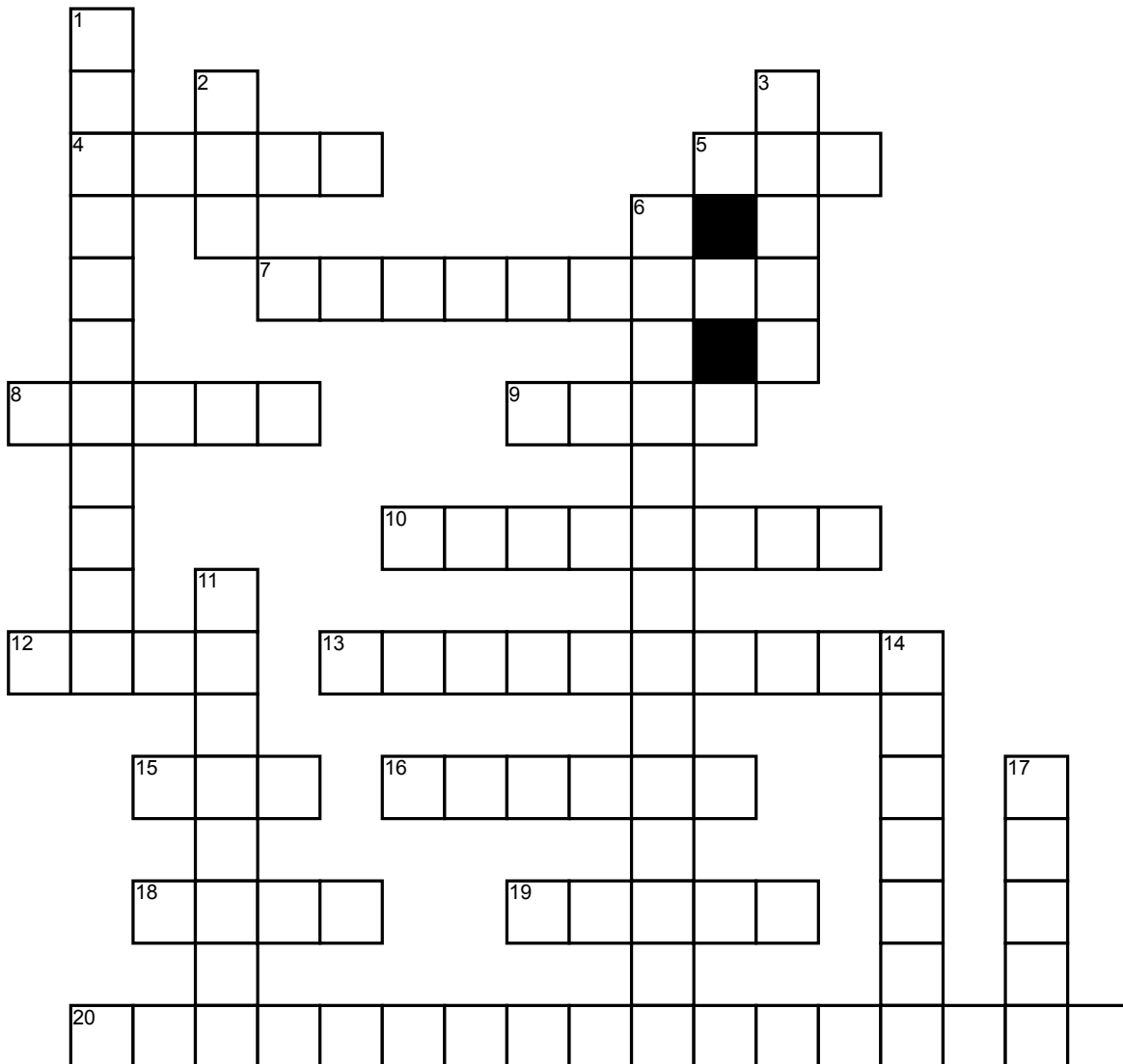


# Integers



## Across

4. What will be the sign of the product if we multiply together 5 negative integers and 4 positive integers?
5. In a test +5 marks are given for every correct answer and (-2) Marks are given for every incorrect answer. Radhika answered all the questions and scored 30 marks though she got 10 correct answers. How many incorrect answers had she attempted?
7. An elevator descends into a mine shaft at the rate of 6 m/ min. If the descend starts from 40 m above the ground level, how many minutes will it take to reach -350m?
8. True/ False: Multiplication is not commutative for integers.
9.  $8+(-4)-0$

10. When we divide a negative integer by another negative integer, we divide them as whole numbers and put a \_\_\_\_\_ sign before quotient.
12. Additive identity for integers
13. Mohan deposits Rs 2000 in his bank account and withdraws Rs 1800 from it, next day. Find the balance in Mohan's account after the withdrawal?
15. Multiplicative inverse of  $\frac{1}{6}$  is?
16. Set of integers is \_\_\_\_\_ than set of whole numbers.
18.  $(-36)$  divided by  $(-4)$  gives \_\_\_\_\_?
19.  $-3$  multiplied with  $-1$  gives \_\_\_\_\_?
20. Height of a place A is 1800 m above sea level. Another place B is 700 m below sea level. What is the difference ( in hundreds) between the levels of these places?

## Down

1. Addition is \_\_\_\_\_ for integers i.e.  $a+b = b+a$
2. Multiplicative inverse for integers
3.  $-(-3)+4+(-5)-5-6+15$  equals to \_\_\_\_\_
6. A certain freezing process requires that room temperature be lowered from 40 degree Celsius at the rate of 5 degree Celsius every hour. What will be the room temperature ( in Celsius) 10 hours after the process begins?
11. Product of even number of negative integers is \_\_\_\_\_.
14. Division by zero is not \_\_\_\_\_.
17. True / False; Integers are closed under division.