

1. Place three decimal points to make this sentence true.

$$422 + 85 + 508 = 17.8$$

2.

Five-tenths of the 9462 people who live in a town are less than 30 years old. How many people are less than 30 years old?

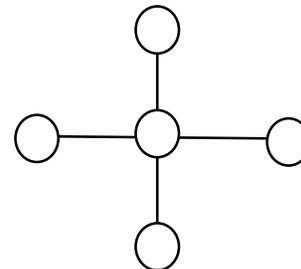
3.

Five boxes of books weigh 170 pounds. How much would six boxes weigh?

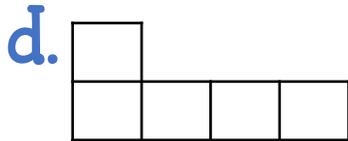
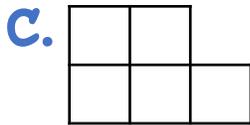
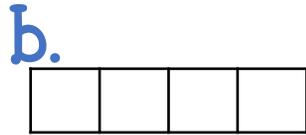
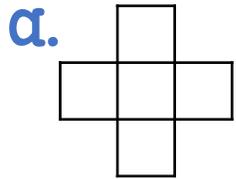
4. Find a solution to the puzzle.

The rules:

1. The sum of each line must equal 10.
2. You can only use the numbers 1, 2, 3, 4, 5, 6 or 7.
3. You can use each number only once.



5. Find the two patterns that fold up to make a box that is open on top.



6. Suppose you started jogging and you jog:

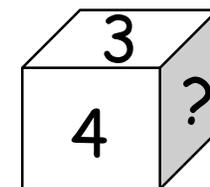
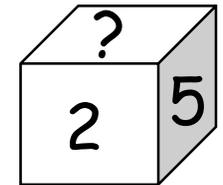
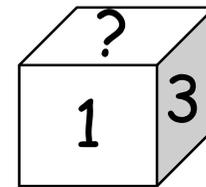
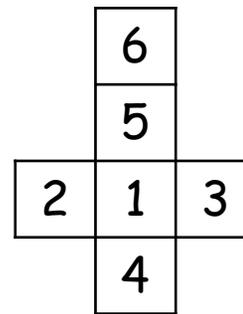
1 block the first day
4 blocks the second day
7 blocks the third day
10 blocks the fourth day and so on

If this pattern continues, how many days would you have to jog until you were jogging 31 blocks in one day?

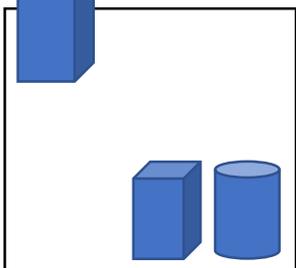
7. Five people went to a party. They each brought one friend. Each of those friends brought two friends.

How many people went to the party altogether?

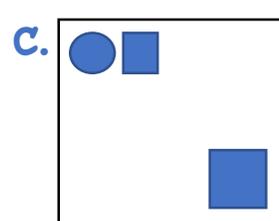
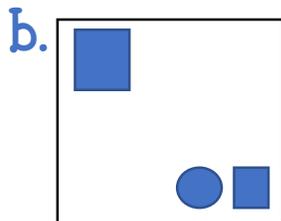
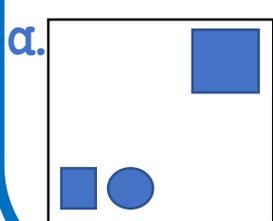
8. Suppose this pattern were folded to make a cube. Give the missing numbers.



9.



Suppose that you were standing directly over these blocks looking down. Which of these drawings shows what you would see?



10.

At midnight, the temperature was 28° F. By 7:00 a.m., it had dropped 7° and by 1:00 p.m. it had increased by 13° . It then dropped by 9° by 6:00 p.m. What was the temperature at 6:00 p.m.?

Name: _____

MATH CHALLENGE

1.

2.

3.

4.

5.

6.

7.

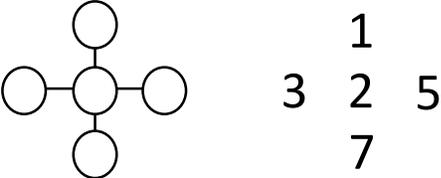
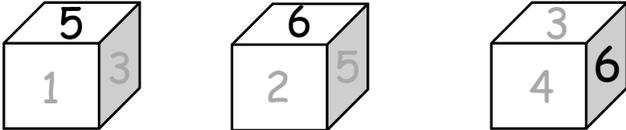
8.

9.

10.

MATH CHALLENGE

Answer Key

1. $4.22 + 8.5 + 5.08$	2. 4,731
3. 204 pounds	4. 
5. a. and d.	6. 11 days
7. 20 people	8. 
9. c.	10. 25°