

Reasoning – Orange Chilli



Tiny is thinking of a number.

- It is greater than 4,200 but less than 5,800
- The digits sum to 16



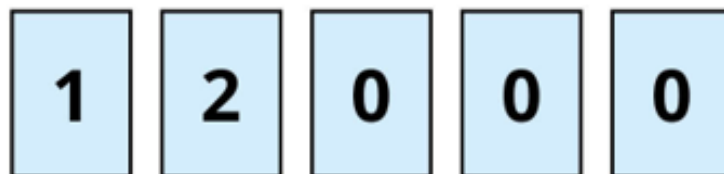
What number could Tiny be thinking of?

Give four possible answers.

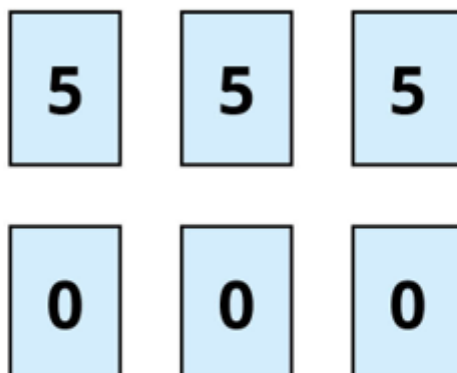
When rounded to the nearest 10, there are 350 children in a running club.

How many children could there be?

List all the 5-digit numbers you can make using the digit cards.



Use the digit cards to make as many 6-digit numbers as you can.



What is the greatest number you can make?

What is the smallest number you can make?

What is the difference between the greatest and smallest numbers?

When written in words, what is the first number that includes the letter "a"?

Here are six digit cards.



Using five of the digits, what is the greatest number you can make?

Using all six digits, what is the smallest number you can make?

When rounded to the nearest 10, a number is 50

When rounded to the nearest 100, the number is zero.

Find all the possible whole number values of the number.



Jack

I am counting up
in tens from 184
I will include 224



Teddy

I am counting up
in thousands from 13
I will include 13,000



Whitney

I am counting up
in hundreds from 604
I will include 1,040

Are the children correct?

Explain how you know.