We will begin shortly.

Try and solve this while you wait…

Characteristics of Numbers Menu Task:

Write as *few* numbers as possible to satisfy each constraint at least once.

A.	Is double-digit	B.	Is greater than 10
C.	Is less than 50	D.	Is odd
E.	Is even	F.	Is single digit
G.	Can be rounded to 30	H.	Is prime
I.	Is a multiple of 5	J.	Has a 3 in the tens place

Which constraints pair nicely?

Which constraints cannot be paired?

Is it possible to solve in 2, 3 or 4 numbers?

Describe how and why you chose each number.

Be sure to identify which numbers satisfy which constraints.

AMISA
American International Schools in the Americas

Engaging Math Routines in Elementary mathematics

Chad Williams
November 7, 2026

AMISA
American International Schools in the Americas

EARLY CHILDHOOD & ELEMENTARY LEARNING SYMPOSIUM

November 7, 2026 | 10am-11:45am Eastern

Join us for a Symposium Sprint focused on Learning for Early Childhood and Elementary Students. Presented by AMISA educators.

Government of Saskatchewan
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University of Saskatchewan

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Pearson mathology

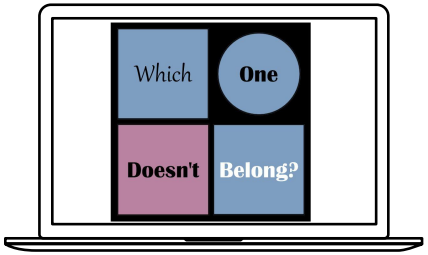
Represent

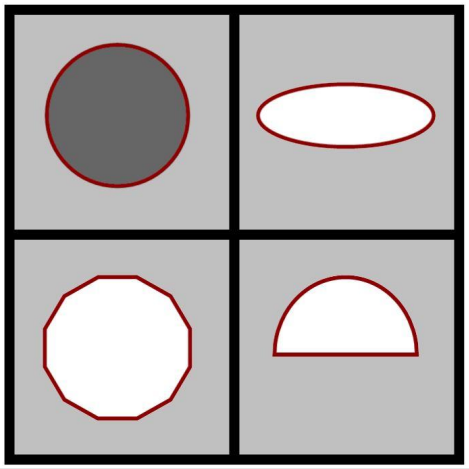
Math routines

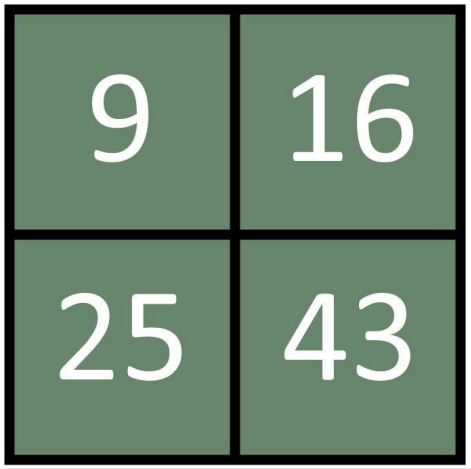
1. Which One Doesn't Belong
2. Esti-Mysteries
3. Choral Counting
4. Cube Conversations
5. 100 Maze Chart
6. Splats!
7. Counting Collections
8. Slow Reveal Graph
9. Number Talks

WODB



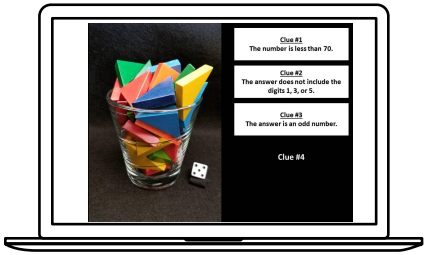








Esti-Mysteries





Clue #1
The answer is an even number that is less than 60.

Clue #2
Count by tens to 50 and cross of all those numbers.

Clue #3
"Kazoo" is spelled with 2 o's. However, the digit 2 is not in the answer.

Clue #4
The answer does not include the digit 8.

Clue #5
The answer does not include the digit 4.



The Reveal
Click to see the answer.

Name:_____

Esti-Mysteries Planning Template

1. Title:_____



2. Object to use:_____

3. Number of objects:_____

4. Question to ask:_____
_____

5. Four Clues:

a. _____
_____

b. _____
_____

c. _____
_____

d. _____
_____

Photo appointment:_____

"Count the Cubes"



How many cubes are there altogether?



Clue #1
The answer is greater than 30.

Clue #2
The answer is odd.

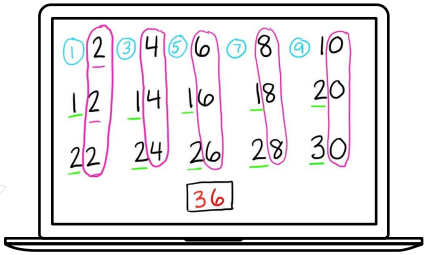
Clue #3
The answer includes the digit 5.

Clue #4
The answer is between 30 and 70.



The Reveal
Click to see the answer.

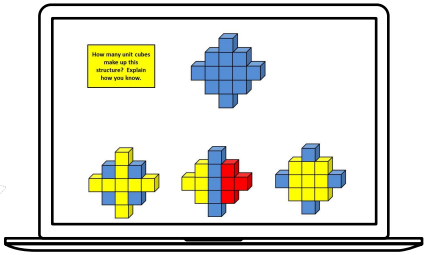
Choral Counting



23 33 43 53 63 73 83 93

103 113 123 133 143 153 _ _ ?

Cube Conversations



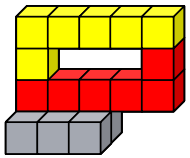
How many unit cubes make up this structure? Explain how you know.

How else can you think about this structure? Is there another way to see it?

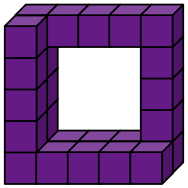
Are there even more ways you can picture or think about this structure?

You may have seen some groups like these:

It's time to reveal the answer. Let's find out the total number of unit cubes.

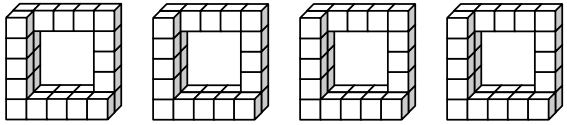


The Reveal



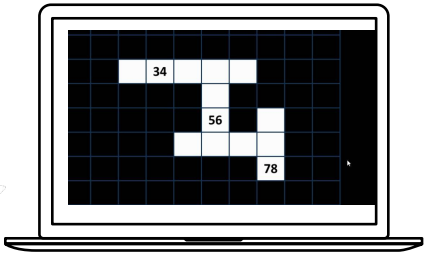
Before we see the answer, describe several different ways you can see this structure.

The Reveal



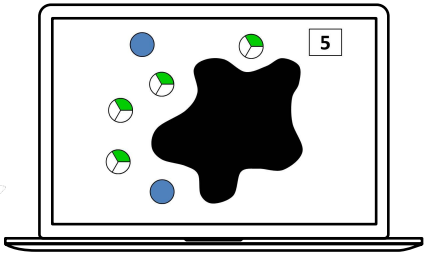
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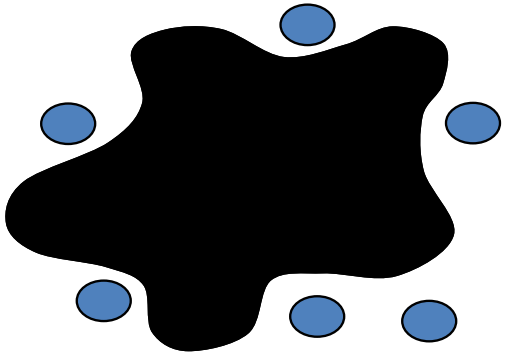
100 Chart Maze



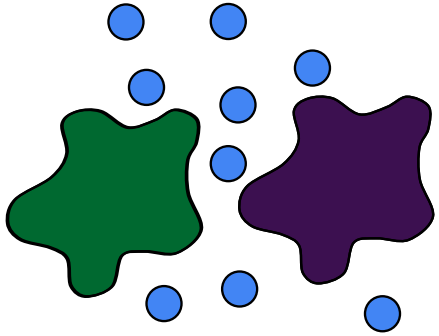
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Splats!

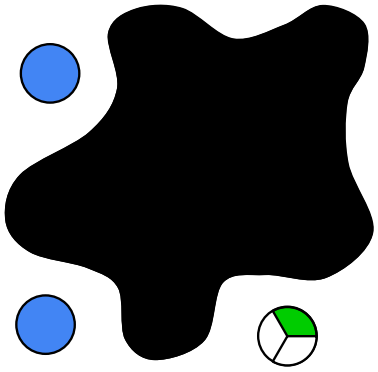




17



15

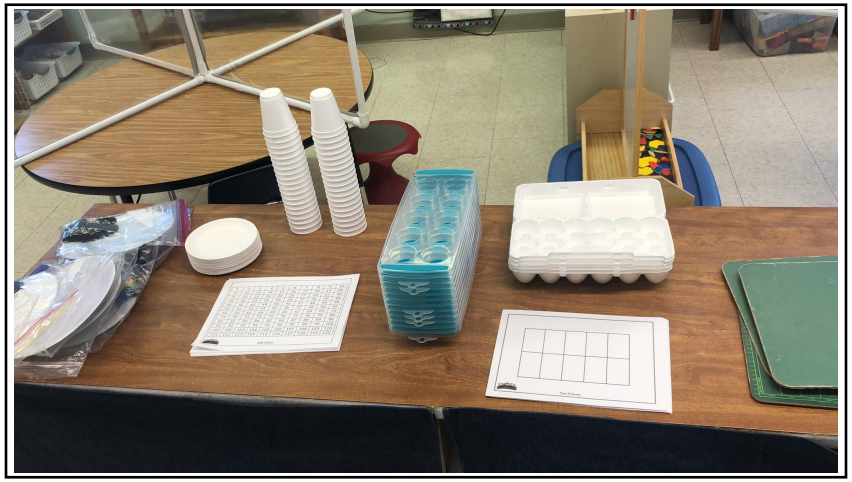


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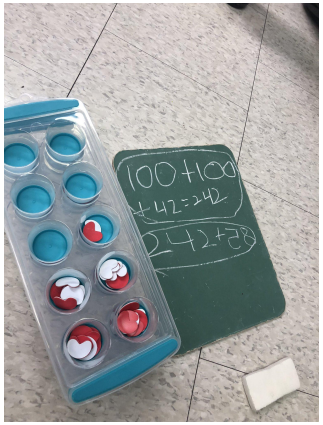
Counting Collections



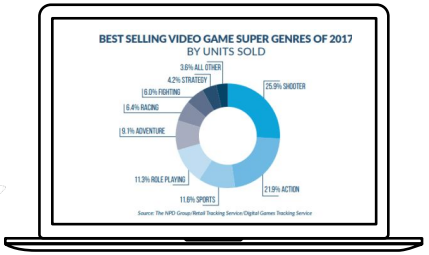


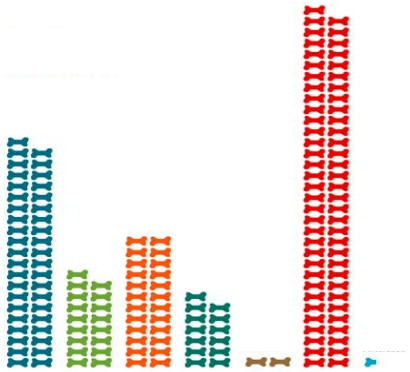






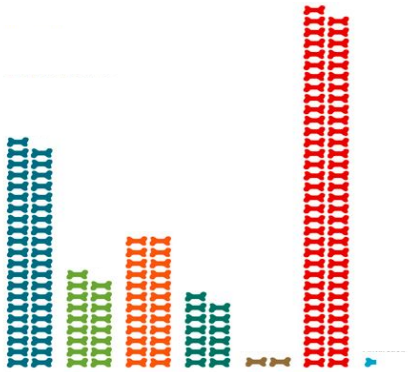
Slow Reveal Graphs





@chadillac60

Where have dinosaur bones been found?

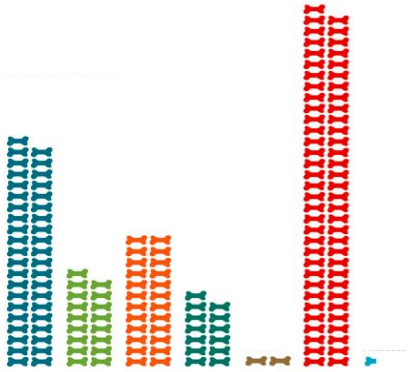


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Where have dinosaur bones been found?

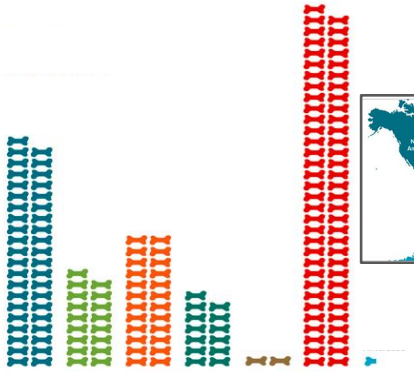
Which color represents each continent?

Africa
Antarctica
Asia
Australia
Europe
North America
South America



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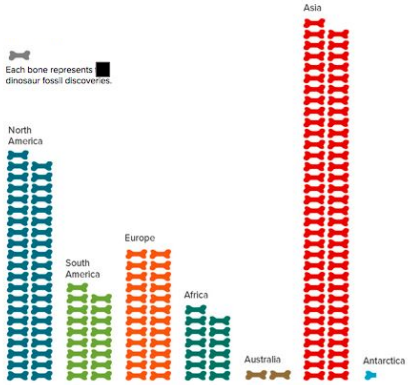
Where have dinosaur bones been found?





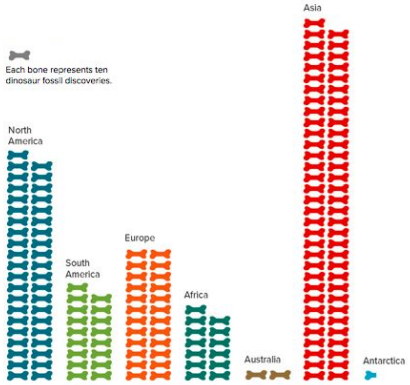
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Where have dinosaur bones been found?

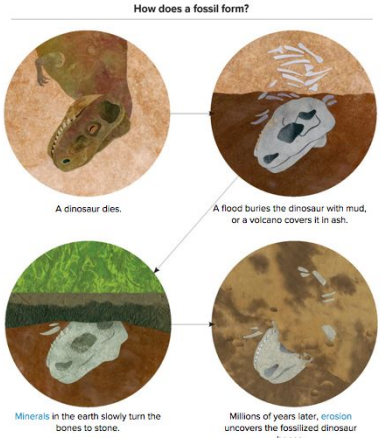


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Where have dinosaur bones been found?



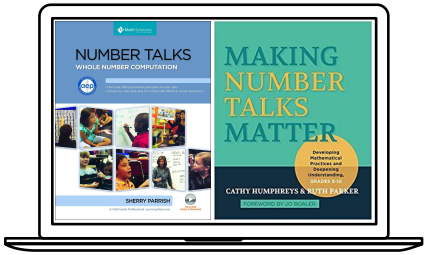
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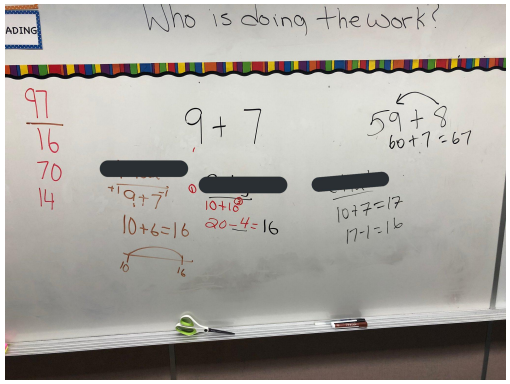


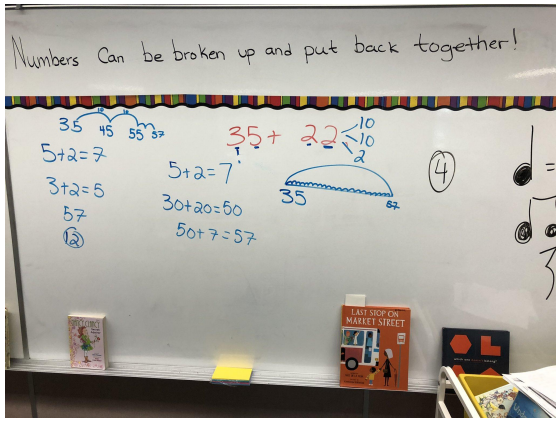
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Number Talks

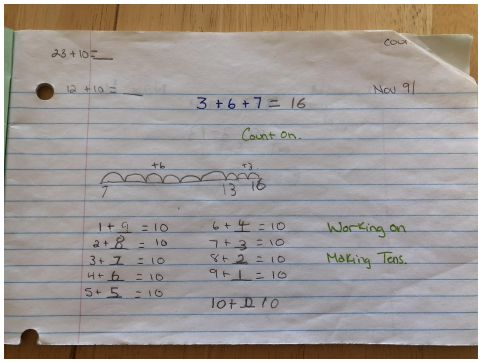




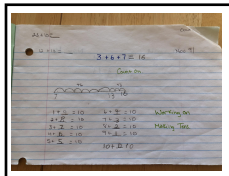


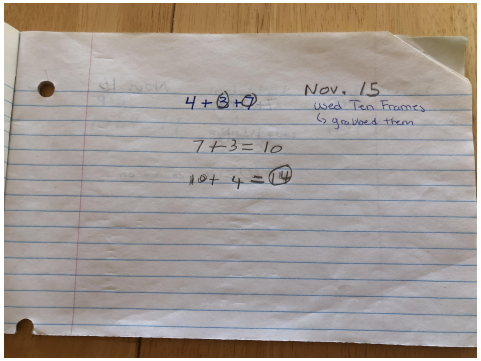


The Learning Journey

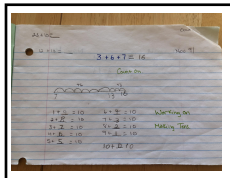


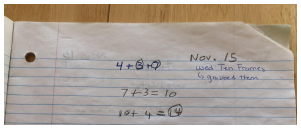
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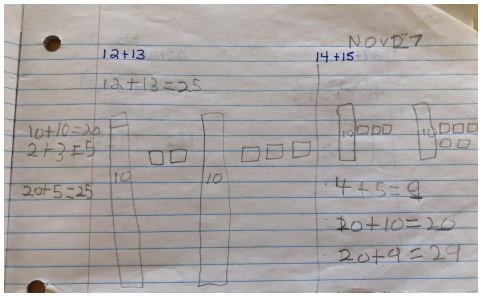




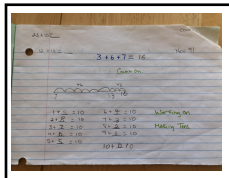
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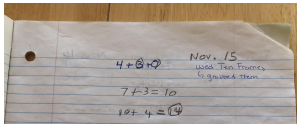


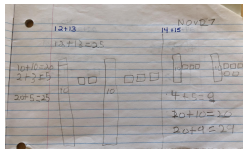




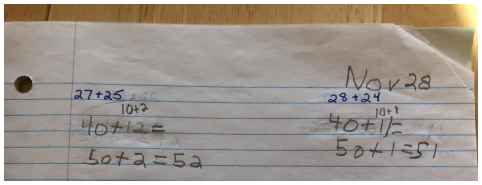
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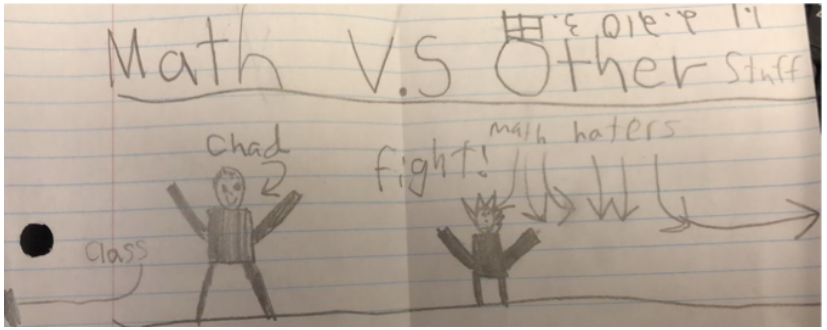
"I remember when I used to solve questions like that, but now it is easier. I get it! Math isn't that hard now."



@chadillac60

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Extension





BEYOND THE ALGORITHM