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HPA MATH!

Washington School
January 24, 2025

Presented by
Jennifer Gonzalez
Math Coach

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AGENDA

- [x] Welcome/ Good things
- [x] Math About Me
- [x] Core Curriculum/ Standards/ Activities
- [x] ST Math
- [x] Resources (online and games)



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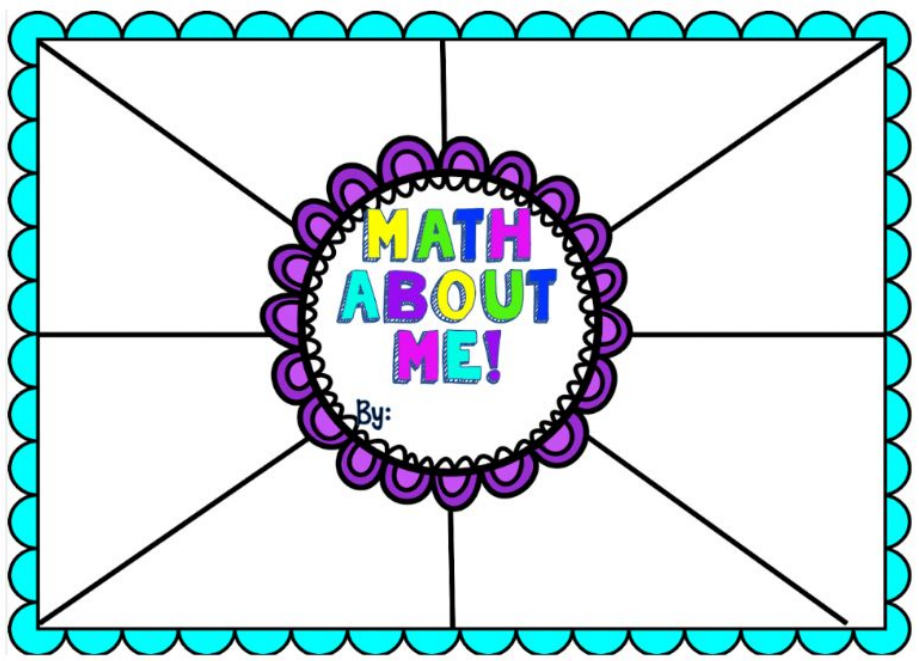
MATH ABOUT ME

Fill in each section with something about you that includes a number.

Example: I have 1 dog.
I have 3 kids.
I have lived in 2 cities my whole life.

Share your answers with 2 different people.



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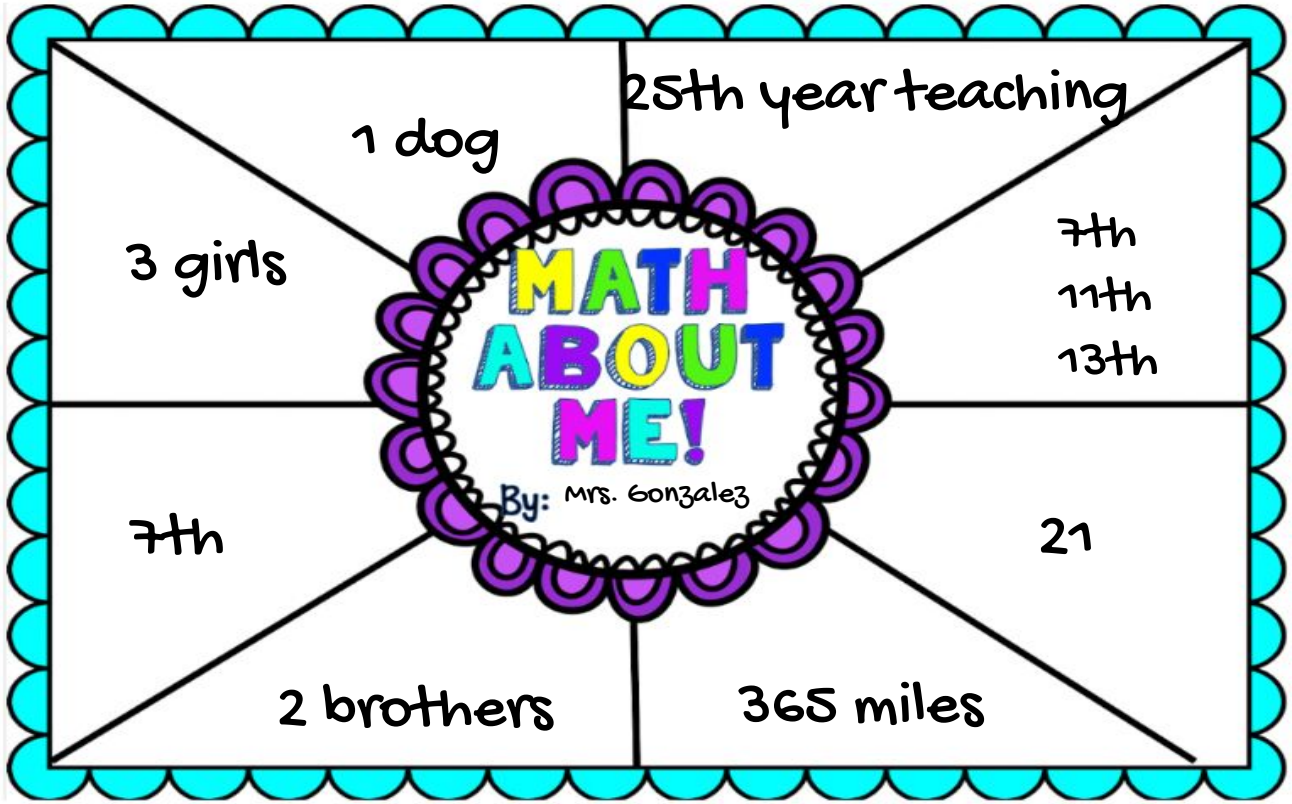
MATH ABOUT ME



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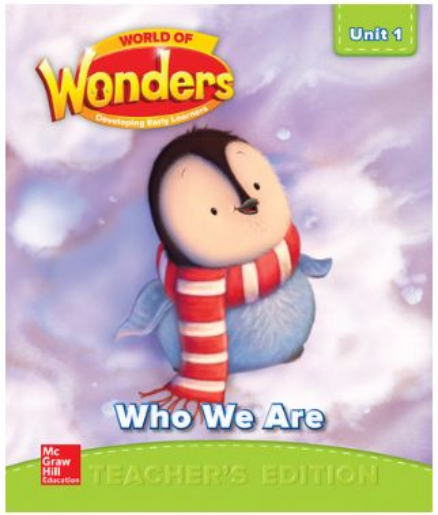
TK Curriculum





9

Units

Mini Lesson → Hands On

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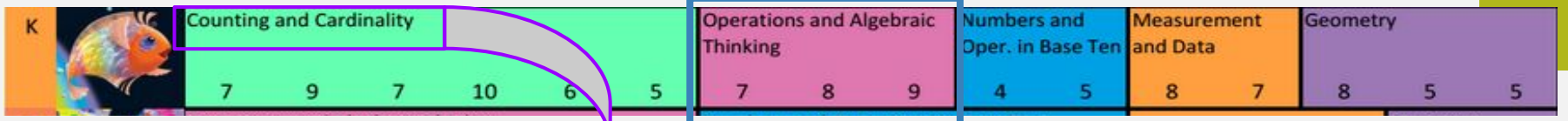
DOMAINS



Domain

3 Topics in this Domain

Number of lessons in each topic

	K	
Counting and Cardinality	44	40%
Operations and Algebraic Thinking	24	22%
Numbers and Operations in Base Ten	9	8%
Numbers and Operations - Fractions		0%
Measurement and Data	15	14%
Geometry	18	16%
	110	100%

Notice that Counting and Cardinality has 44 Lessons which is 40% of the total lessons learned throughout the school year.

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COUNTING and cardinality

- [x] Recognize, identify, write and read numbers 0-20.
- [x] Count to tell a number of objects to 20.
- [x] Compare numbers of objects.



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COUNTING Activities

- Count different household items (beans, snacks, coins, paper clips, etc)
- Practice writing numbers on paper, sand, hair gel, whiteboard, in the air, etc.
- Make groups and compare objects using words such as greater or fewer.



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OPERATIONS

And Algebraic Thinking

- ☑ Understand addition as putting together and adding to numbers to 10.
- ☑ Understand subtraction as taking apart and taking from numbers within 10.
- ☑ Understand decomposing and composing numbers.



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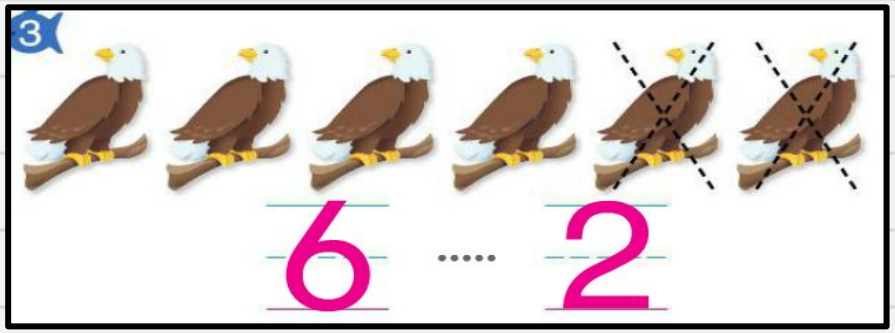
OPERATIONS

And Algebraic Thinking



Decomposing 9	Composing 9
9 = 1 + 8	1 + 8 = 9
9 = 2 + 7	2 + 7 = 9
9 = 3 + 6	3 + 6 = 9
etc.	etc.

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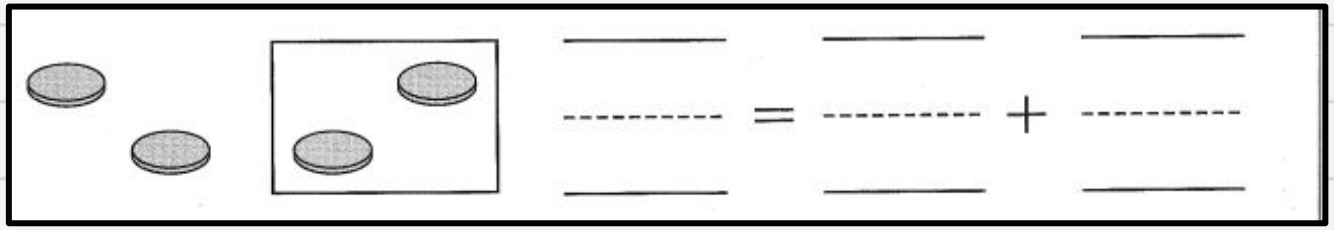
OPERATIONS

And Algebraic Thinking

At-home activities

- [x] Show different ways to group objects up to 20.
- [x] Practice adding and subtracting different household items using the +, - and = sign.



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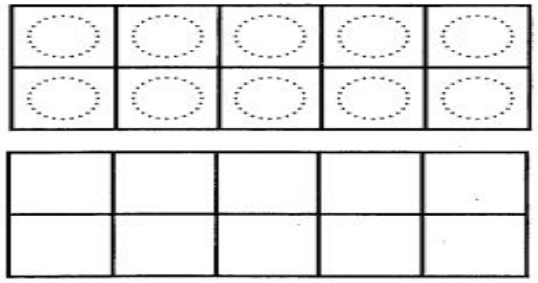
NUMBERS

And Operations in Base 10

- [x] Work with numbers 11-19 to gain foundations for place value.

16



16 = 10 + ____

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NUMBERS

And Operations in Base 10

- Decompose (take apart) numbers
  EX: 13=10+3
- Put objects in groups of 10 and practice counting by 10s up to 100.
- Find the missing number.



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MEASUREMENT

And Data

- [x] Measure and compare objects by weight and height
- [x] Classify objects and count number of objects in categories (graphs)



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MEASUREMENT

And Data

- Compare sizes of different objects using terms such as bigger, smaller, longer, shorter, heavier, lighter, etc.
- Classify objects and count number of objects in categories (graphs)
- Compare the amounts of water, flour, dirt, or sand using words such as more, less or the same.



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MEASUREMENT

And Data

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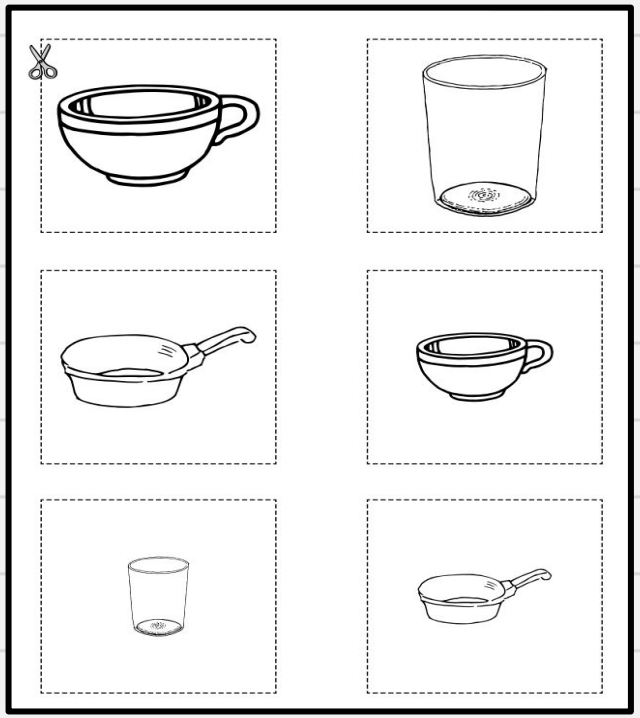

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GEOMETRY

- [x] Identify and describe shapes.
- [x] Analyze, compare, create and compose shapes



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GEOMETRY

- [x] Sort and identify objects by size, shape or color (buttons, toys, fruit, vegetables, etc.)
- [x] Identify shapes around the community (street signs, objects at a grocery store, etc.)
- [x] Look for patterns around the house (on wallpapers, blankets, clothes, furniture, etc.)



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ONLINE

SAVVAS SUPPORT

- [x] eText
- [x] eGames
- [x] Math Tools
- [x] Glossary



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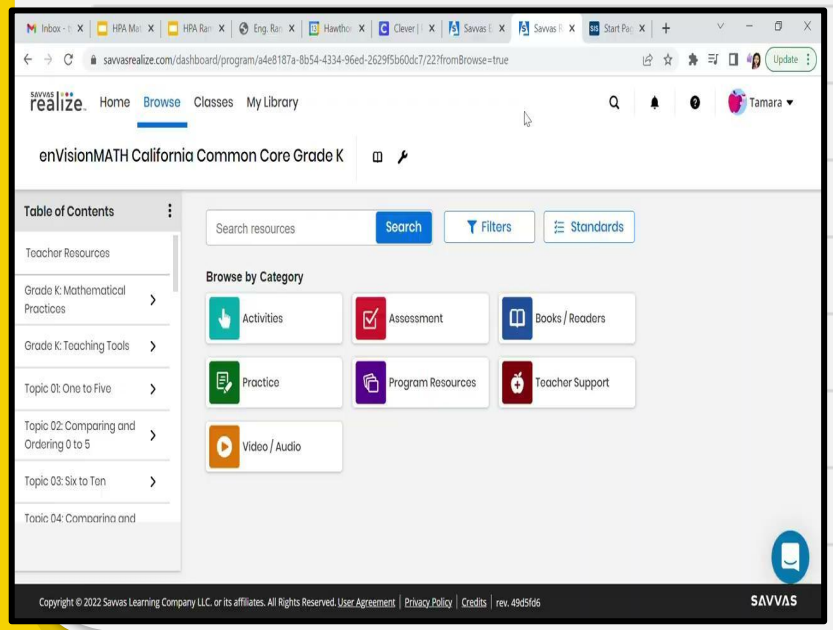
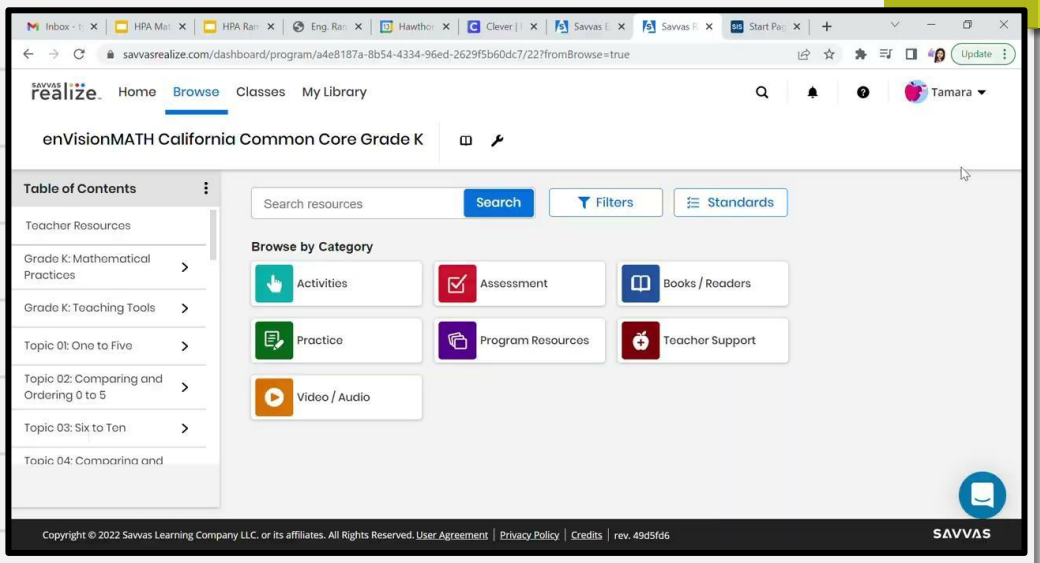
Math Tools





Math Games

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ST MATH

Computer based program that:

- ☑ Builds conceptual understanding
- ☑ Allows students to progress at their own pace
- ☑ Provides high student engagement
- ☑ Builds problem solving skills





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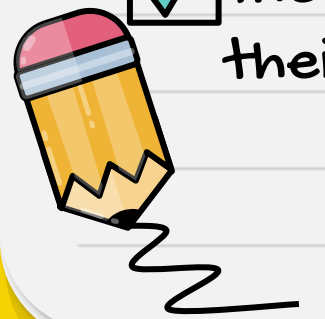
ST MATH

Competition

- [x] Students get time to play ST Math in class.
- [x] Each class competes with other classes in their grade level to solve the most puzzles on ST Math.
- [x] The winning class in each grade gets to keep Jiji in their class all week.





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HOW TO

Access Savvas Realize/ST Math

1. Go to **www.hsdwashington.org**
2. Click on the Clever icon
3. Log in with gmail account or with Clever badge.
4. Select Savvas Realize or ST Math



Clever Icon

Clever badge

ST Math



Savvas Realize

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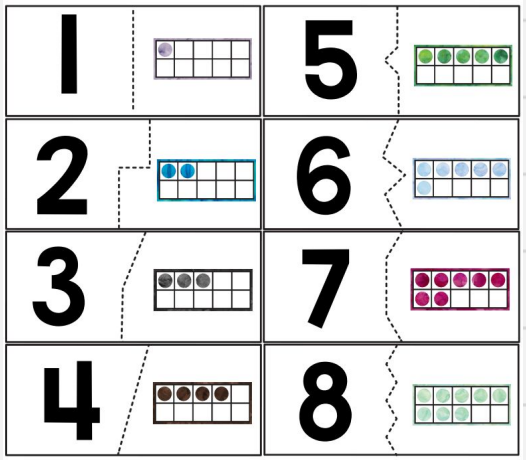
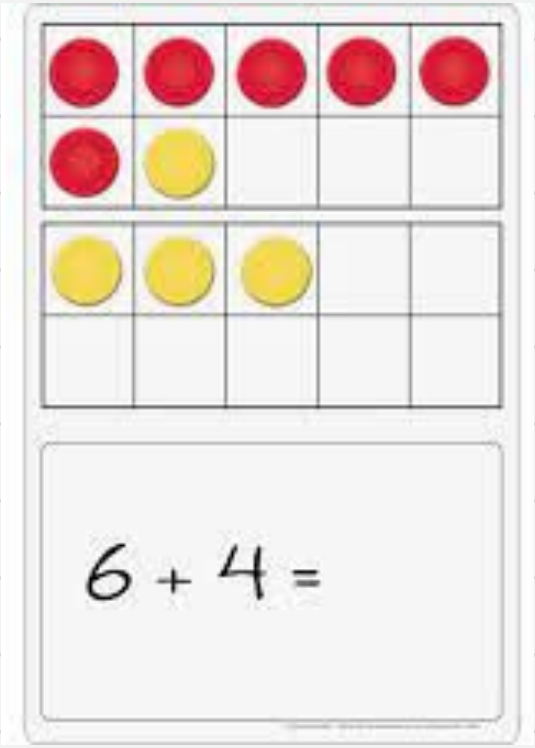
RESOURCES





Hundreds Chart

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

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THANK YOU!

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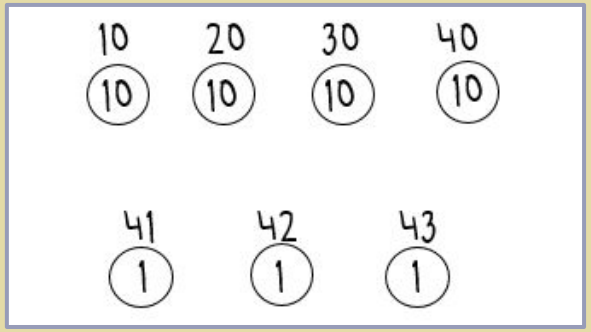
Counting Collections

Questions to ask:



- How many are in the collection?
- Can you count them for me?
- How did you group them?
- Why did you group them the way you did?

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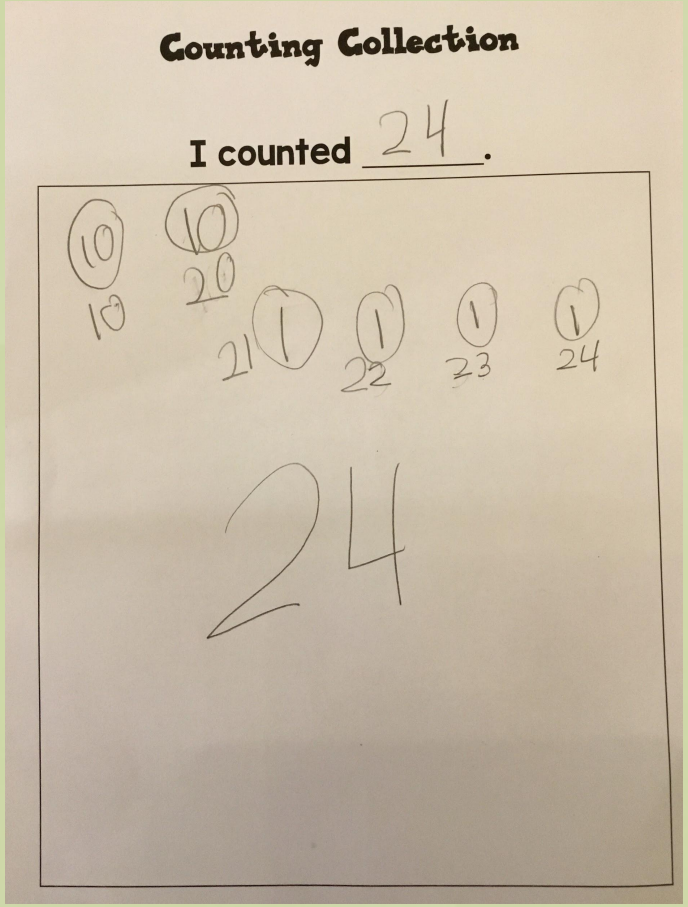
Counting Collections



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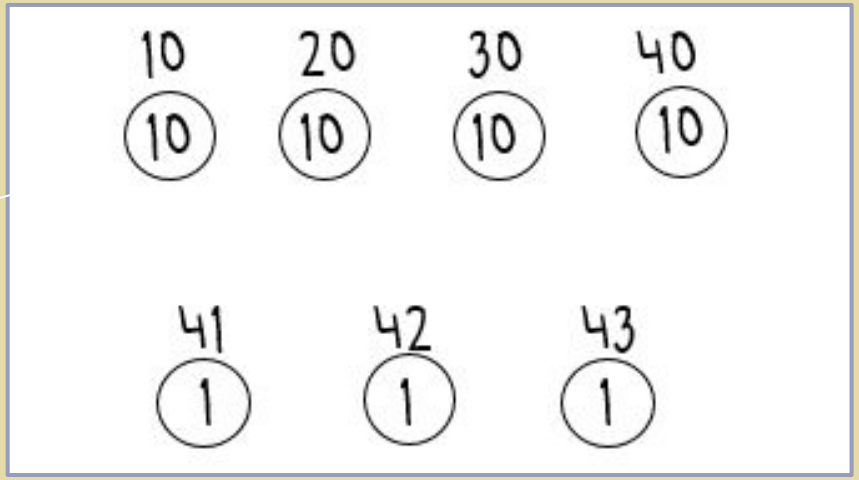
Counting Collections

How many are in the collection?



Number in each group.

Counting in all.

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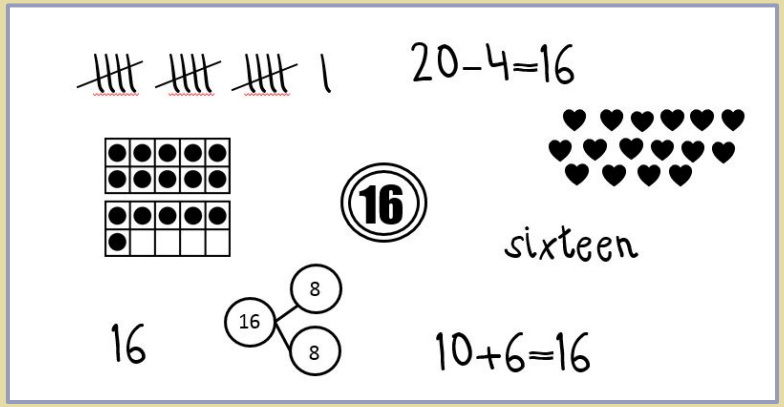
Target Number

Questions to ask:



- How many ways can we represent this number?
- Can you explain how you made the number?
- How many ways did you come up with?
- Is there another way?

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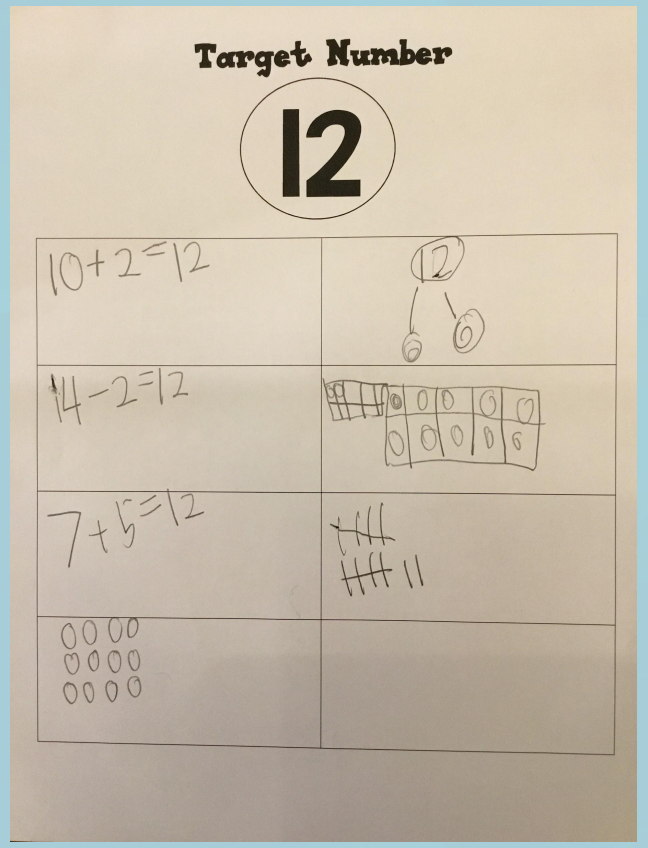
Target Number



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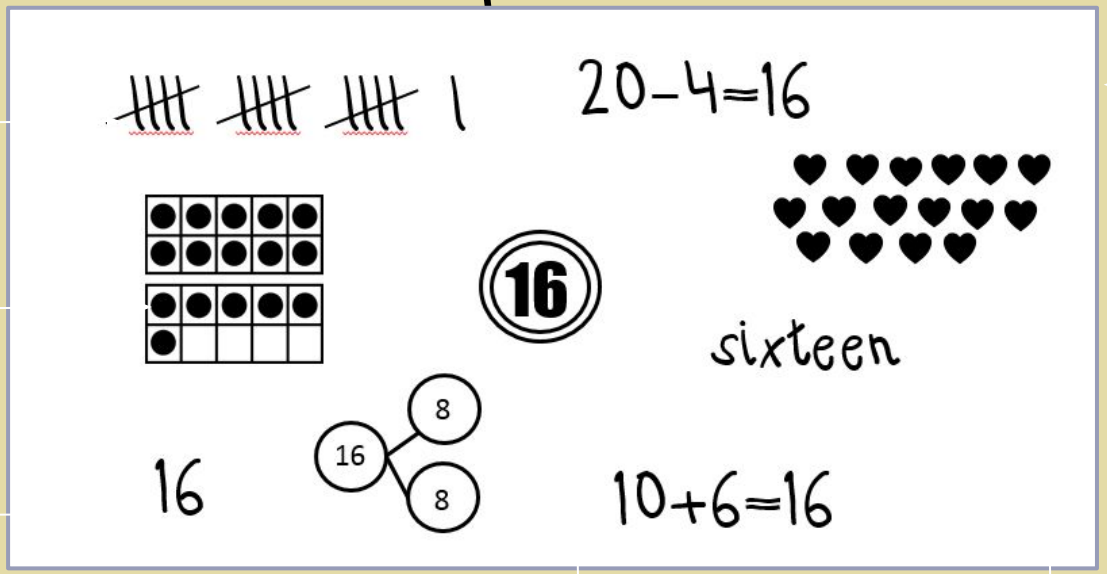
Target Number

How many ways can we represent this number?



Tally Marks

Ten Frames

Numbers

Subtraction Sentences

Pictures

Word Form

Number Bonds

Addition Sentences