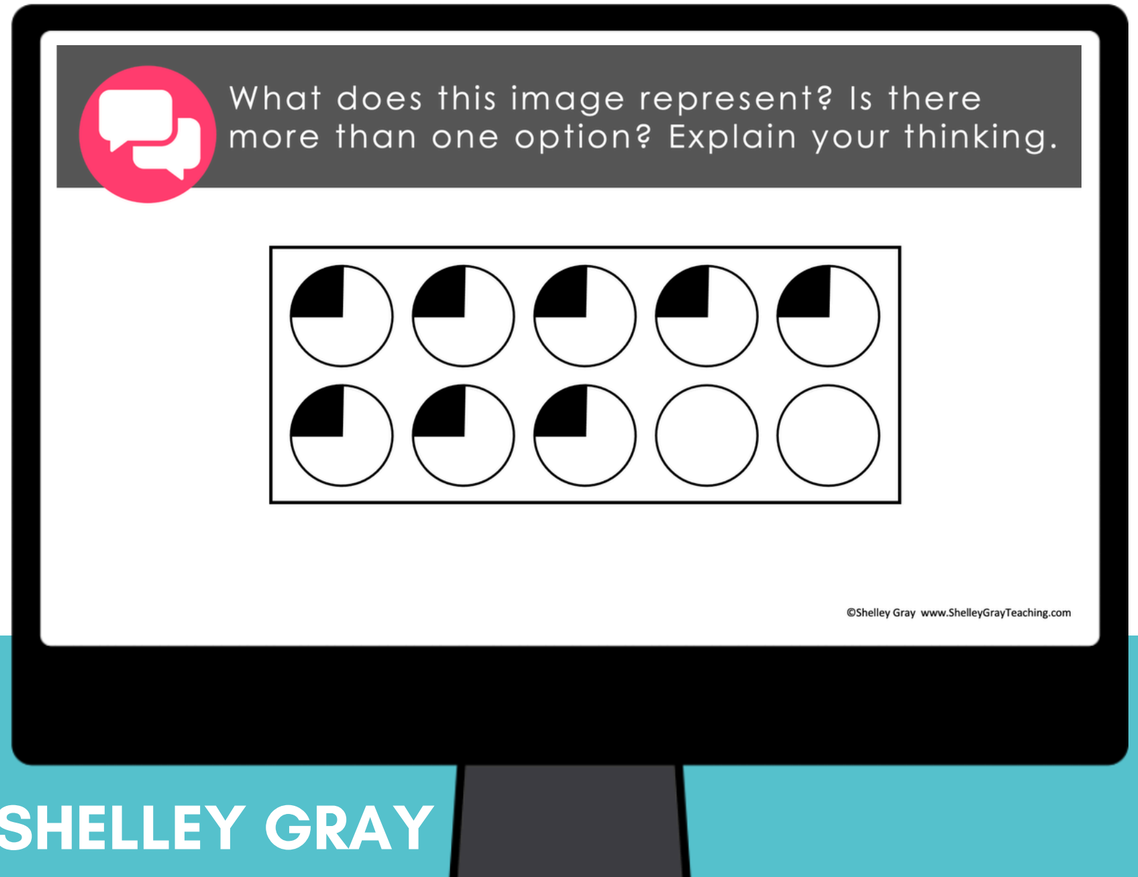
GRADE 4

MATH CONVERSATIONS FOR NUMBER TALKS

200 SLIDES



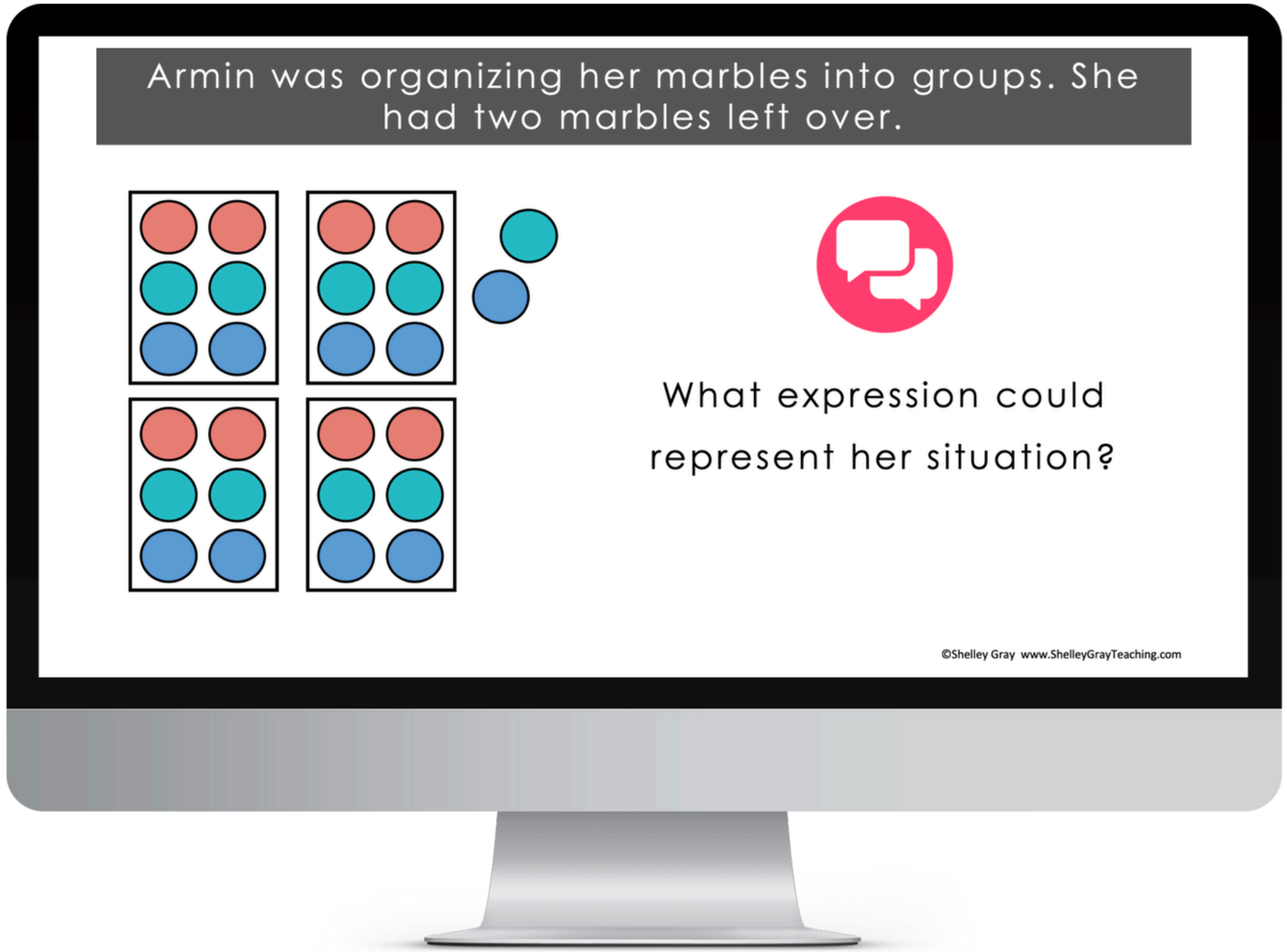
SHELLEY GRAY

Math Conversations is designed to help your students:

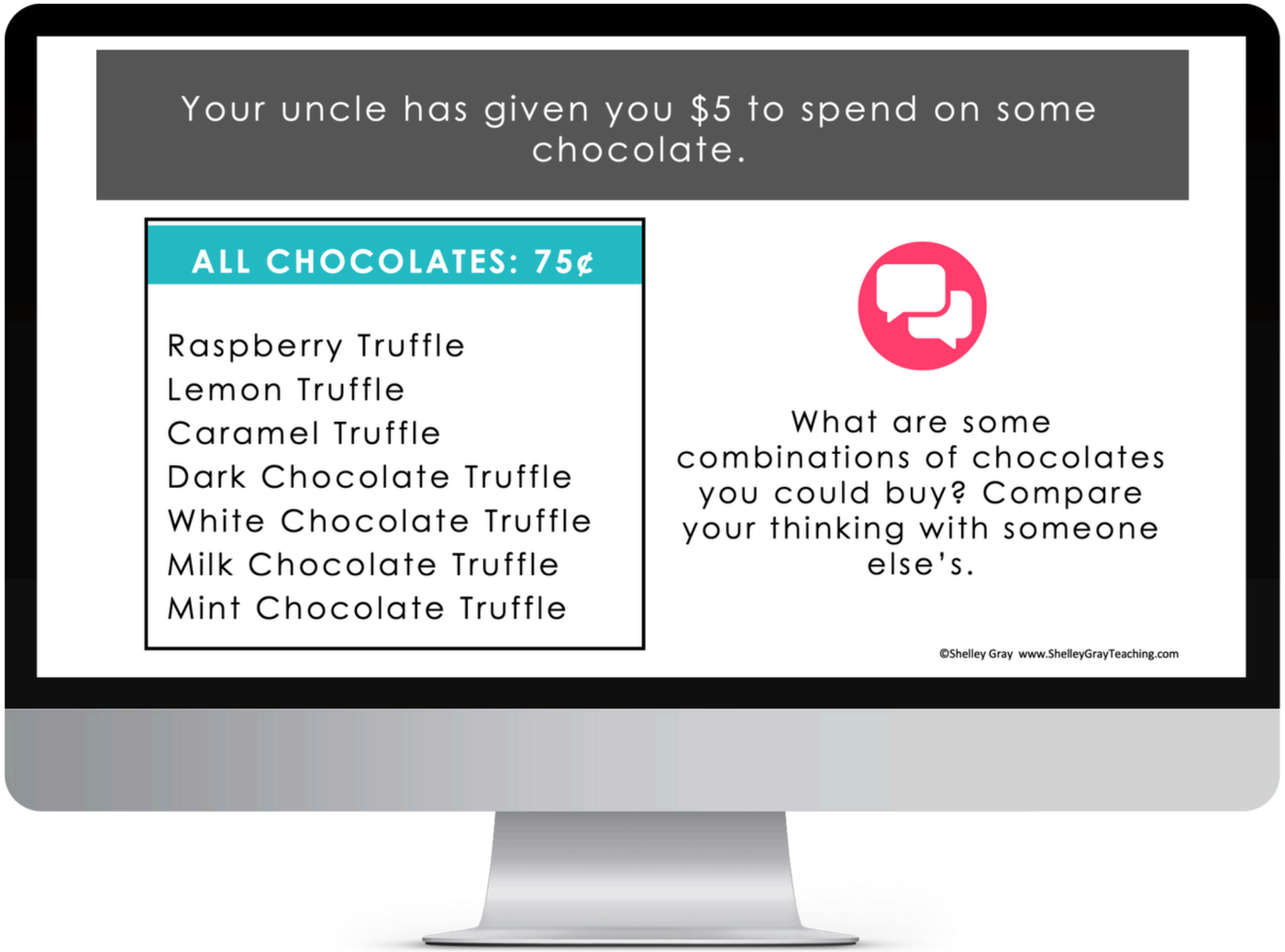
build number sense

become strategic and flexible thinkers

boost math confidence

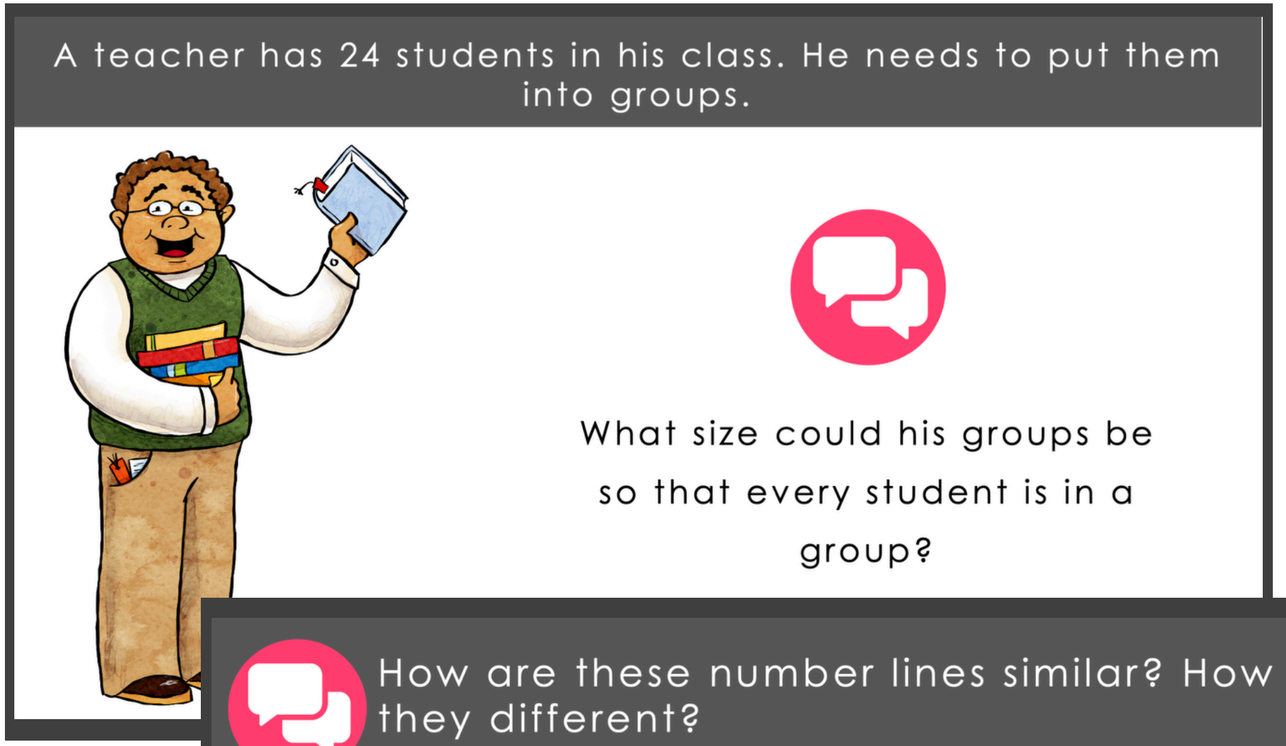


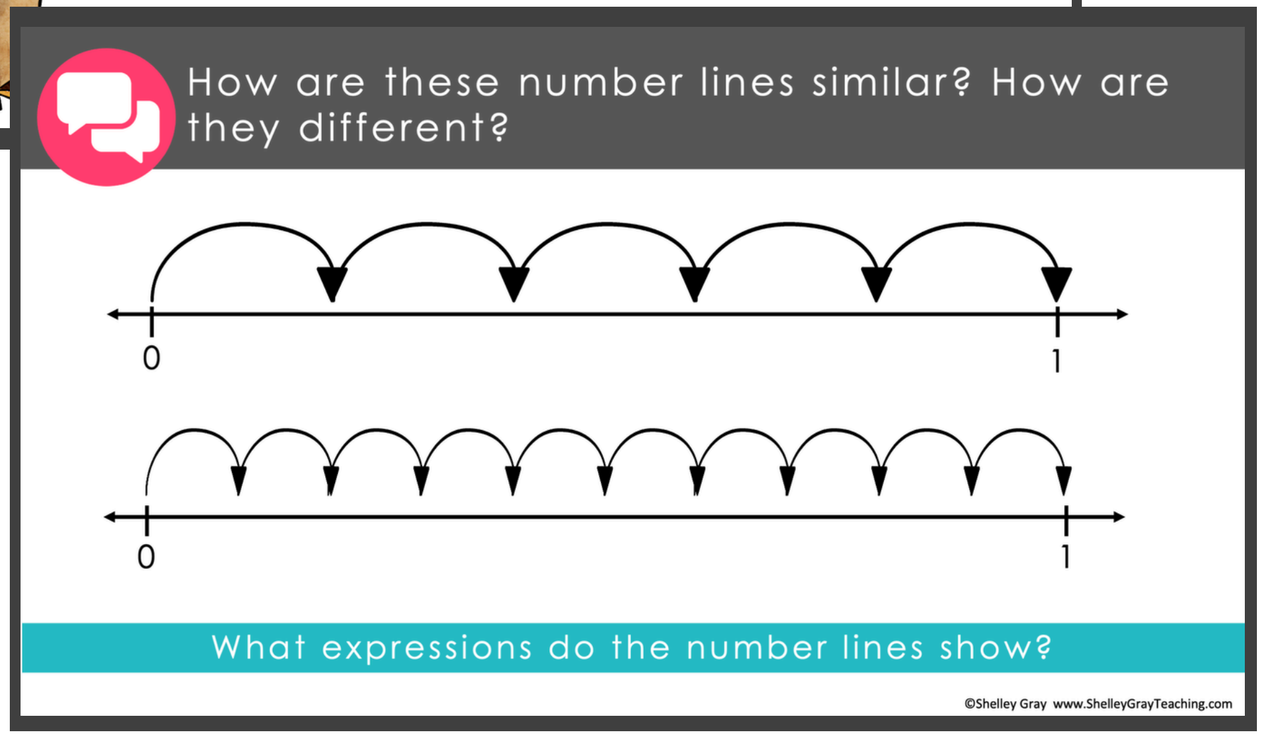
This resource includes **200 slides** that reinforce flexible and strategic thinking, connections, and much more. The main goal is to get you and your students talking about math and realizing that math is not all about right answers – it's about **thinking in different ways!**



The slides are completely ready to go - NO PREP!

Just choose a slide and discuss as part of your daily math routine or number talk!

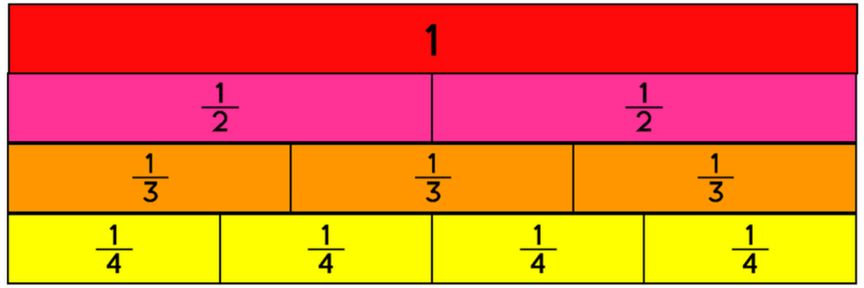




Nicena was asked to solve 9x8 and she needs your help! Which fact could she use to help her find the answer? Why?

8x8 8x10 9x9 10x10 9x4 9x10

A set of fraction strips was arranged on a tab e.



What do you notice? What questions could you ask?

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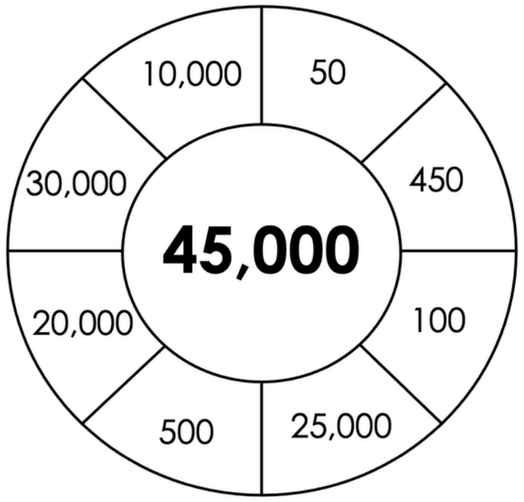
I absolutely love this resource!! What amazing mathematical conversations were sparked with the slides. My mathematicians loved sharing their ideas and encouraging others to share as well. This resource is a great fit for a morning activity to wake up our math brains or to conclude a math class. Excellent resource.

Slides include number sense, geometry, estimation, and much more!

Add or subtract to build the target number.



What strategies did you use to build the target number?

Can you find a way to build the number that i different from anyone else?

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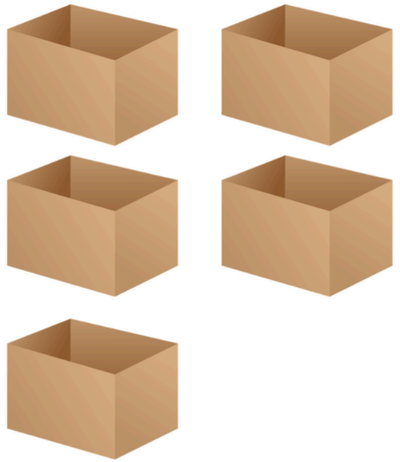
A librarian has to move 78 books. She has 5 cardboard boxes and each box holds the same number of books.



Does she have enough boxes to put the same number of books in each box?

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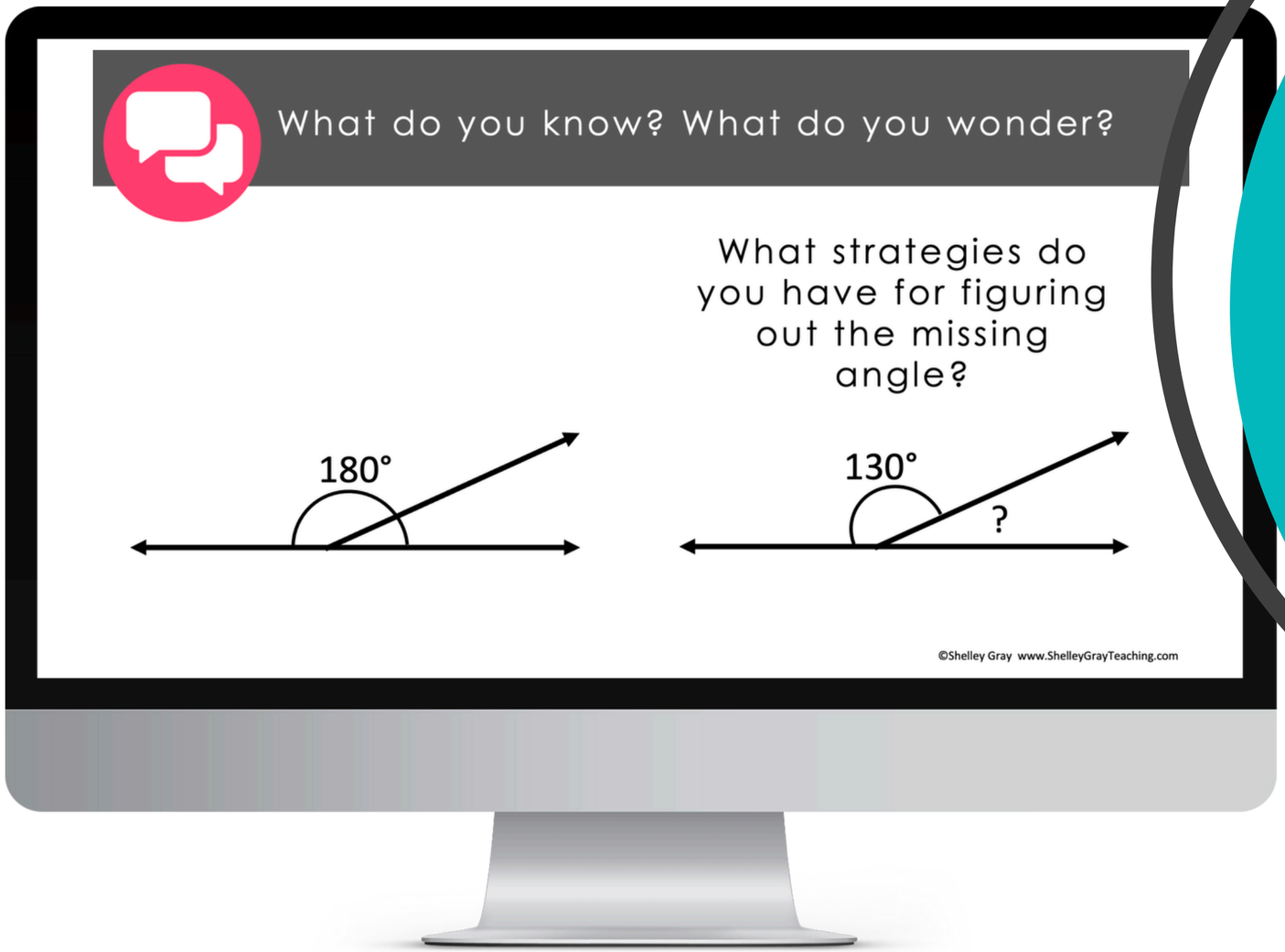


My students struggle with math anxiety. Incorporating these into the start of our lesson has helped them see that there is different ways of thinking.

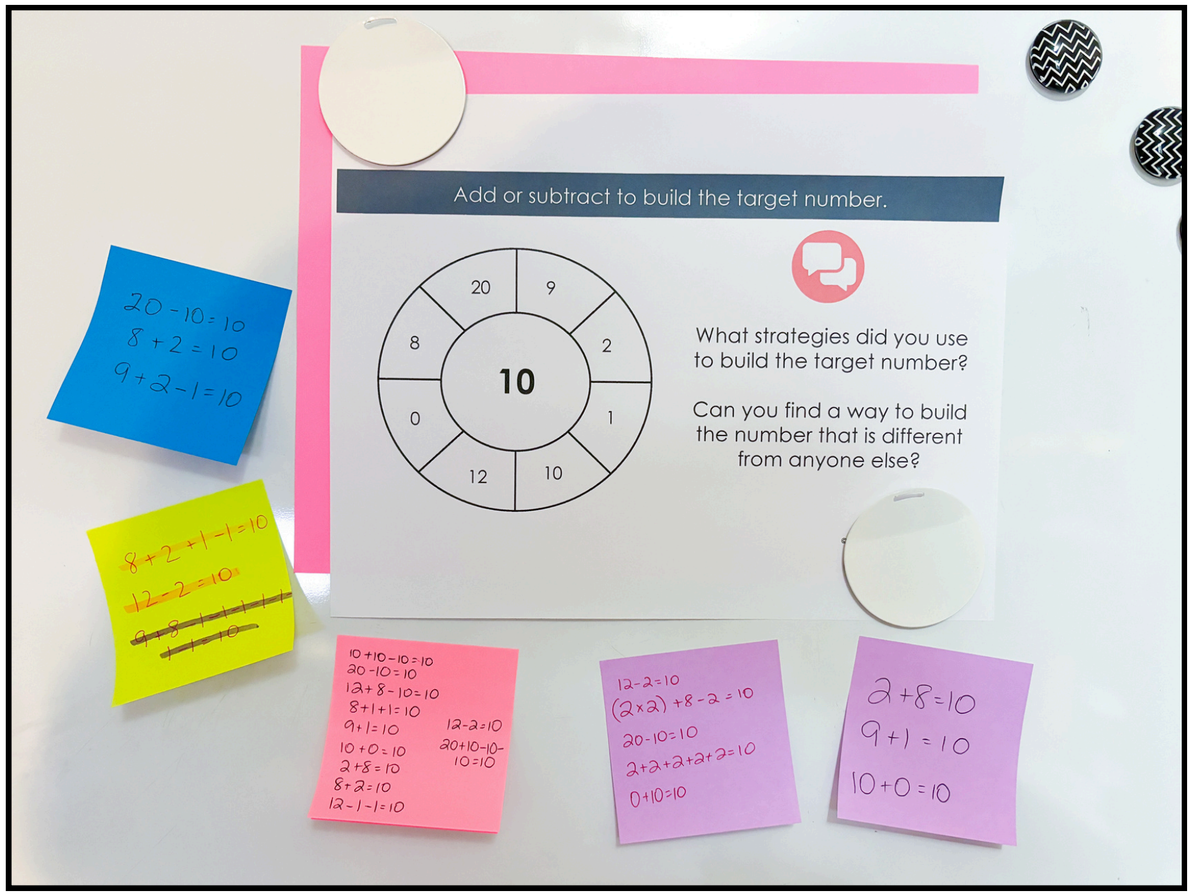
I am using this in my small group math stations. My students had a hard time with the fact that there isn't one specific answer I'm looking for, but they are starting to get the hang of it! I love seeing all the different strategies they use to solve the problems, and I've noticed that it's getting easier for them to explain their thinking!

I love how these incorporate different types of number talks but all in one place! We use a slide each day at the start of class and my students LOVE them. I also appreciate that these number talks provide entry points for ALL students, regardless of where they are at in their learning.

A printable PDF version of all slides is also included. This enables you to print specific pages for small math group discussion.

Alternatively, post on a bulletin board as a Weekly Challenge or to use as an exit ticket activity.

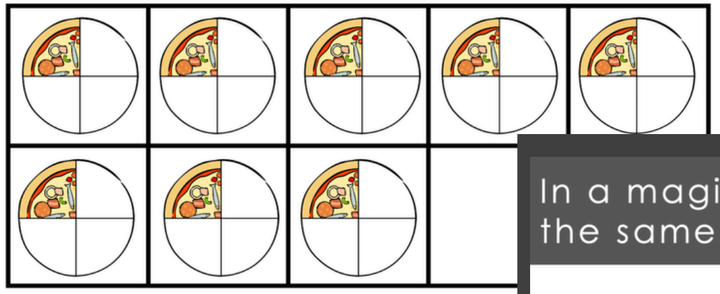
For example:



More sample slides

so you know exactly what to expect

How many pizzas do you see? How do you see them?



In a magic square, the sum of e
the same.

1.6		1.2
	.1	1.4
.8	1.8	.4

Can you help finish this magic square by adding numbers to the blank spaces?

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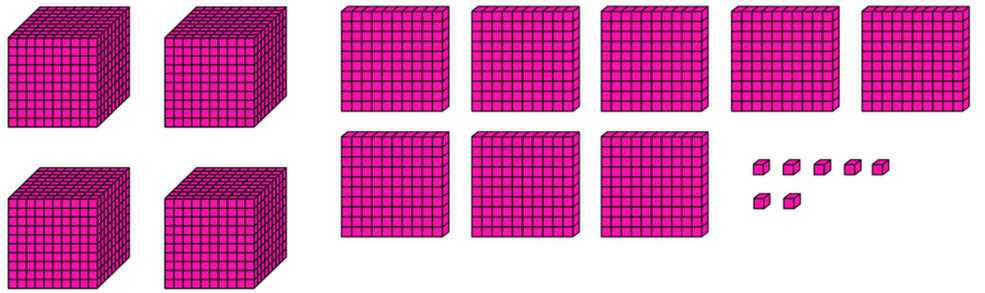
A student arranged some base ten blocks to form a number. What do you know about this number?



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More sample slides

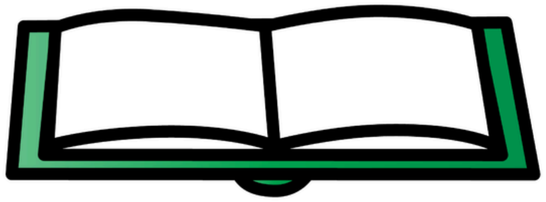
so you know exactly what to expect

Maggie shows her work for how she solved 15x18. What did Maggie do?

15 x 18
↓ ↓
30 x 9

Test Maggie's strategy on a differ
equation. Did it wo

A book you want to read is 2
read the same number o



What are some possible ways you could split up the pages?

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Use a strategy to solve: **5x10**

Now try: **10x5**

Use what you know to solve: **9x5**

Use what you know to solve: **19x5**

What connections can you make between the problems?

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More sample slides

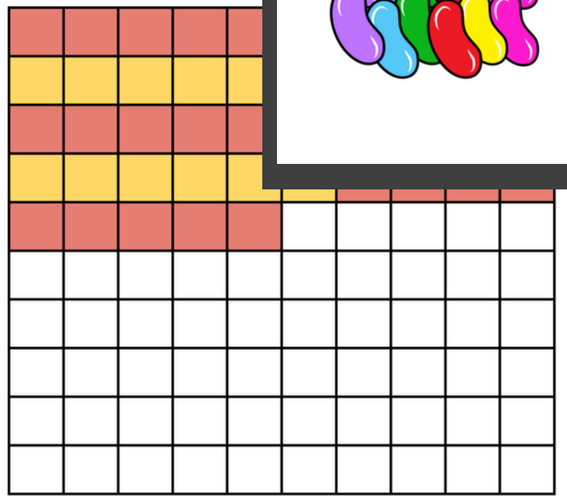
so you know exactly what to expect

Four classes competed in a penny drive. The principal of the school needs to declare a winner. Can you help him decide who came in first and second?

CLASS	PENNIES
Mrs. Smith	25,000
Mrs. Jones	35,000
Mr. Roberts	29,000
Mr. Johnson	25,600

Oops! One class was left off the chart! Mrs. Oliver's class

A student started coloring on a hundred chart. What could this hundred chart show?



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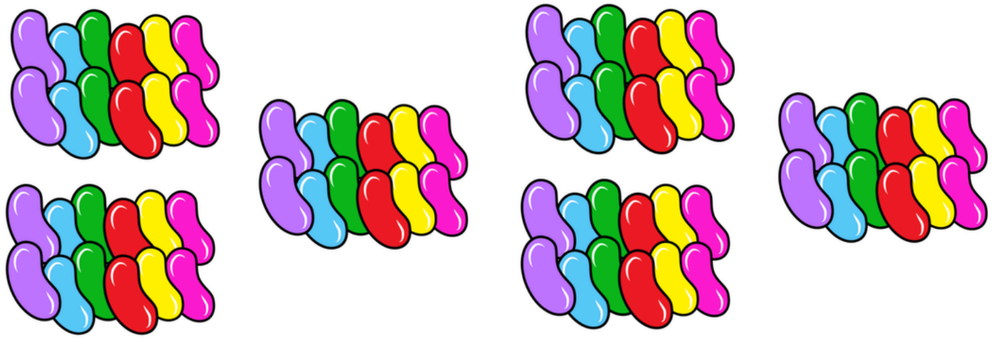
Estimate the number of jelly beans on this page. Justify your thinking.



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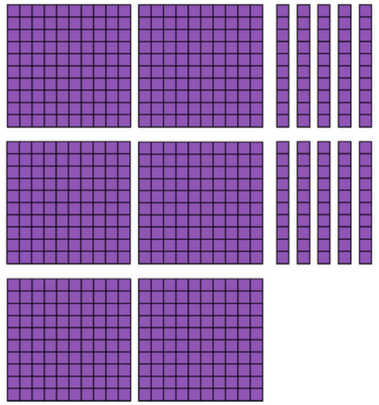
More sample slides

so you know exactly what to expect

What fraction could go in the box? How many different options can you think of?

$$\frac{1}{2} < \square$$

Amber wants to make a division problem using these base ten blocks. What are some ways she could divide up the blocks evenly?



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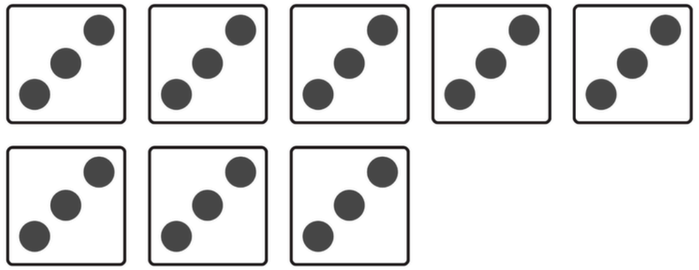
Create a true statement a
picture using one of the f

each group total



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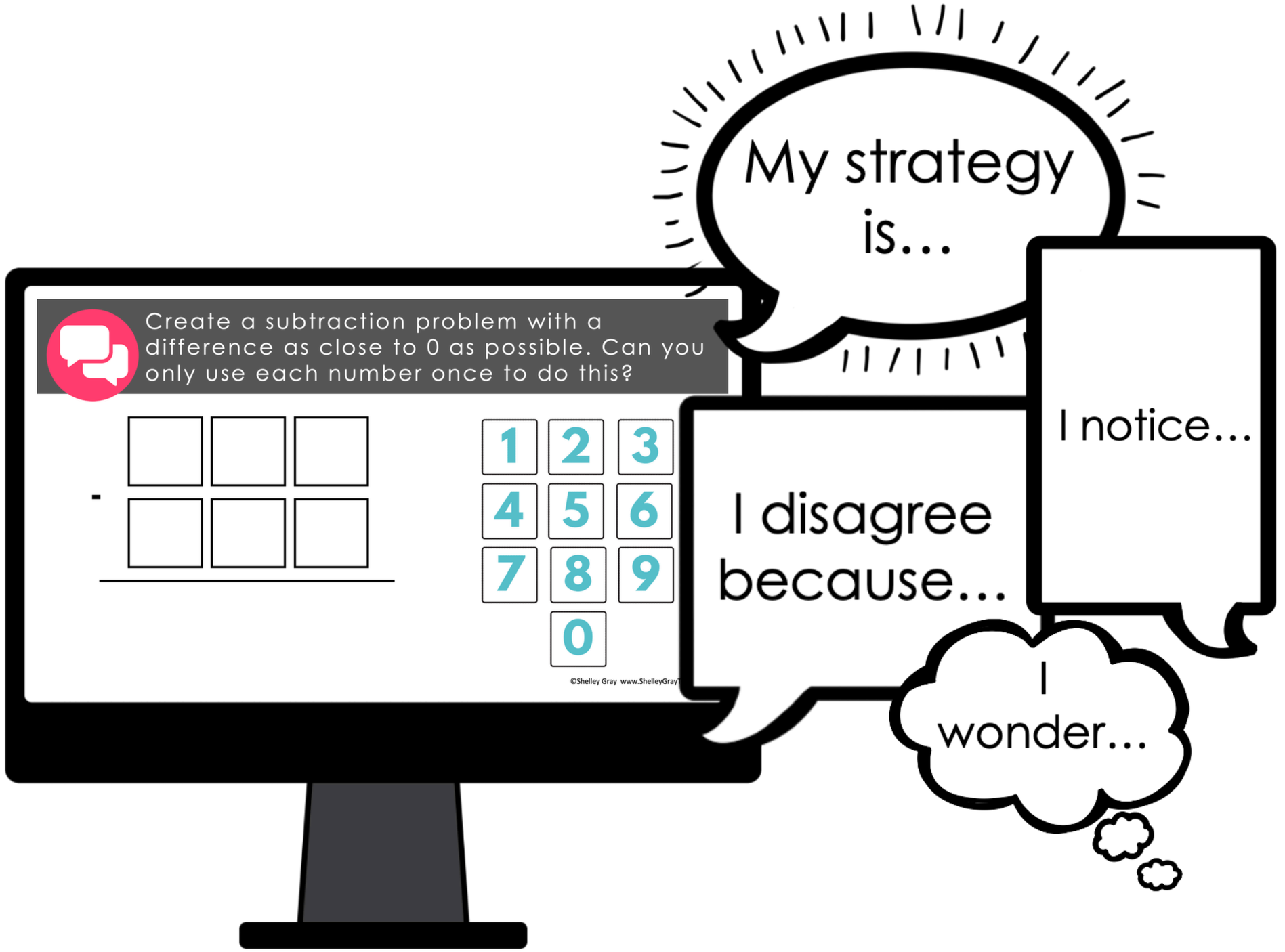
Ready to take the guesswork out of planning your number talk routine this year?