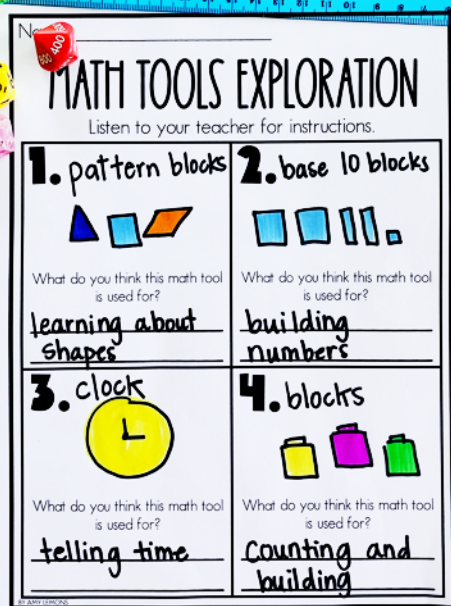






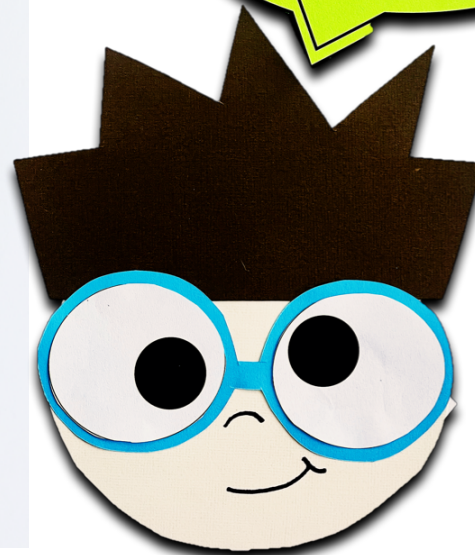
THIS BEST-SELLING BACK TO SCHOOL RESOURCE HAS BEEN CLASSROOM TESTED BY OVER **13,000 TEACHERS!**



MATH TOOLS EXPLORATION
Listen to your teacher for instructions.

1. pattern blocks  What do you think this math tool is used for? <i>learning about shapes</i>	2. base 10 blocks  What do you think this math tool is used for? <i>building numbers</i>
3. clock  What do you think this math tool is used for? <i>telling time</i>	4. blocks  What do you think this math tool is used for? <i>counting and building</i>

MATHEMATICIANS...
Mathematicians are hard-workers. We work with ALL numbers.



10 ACTIVITIES

COOPERATIVE LEARNING

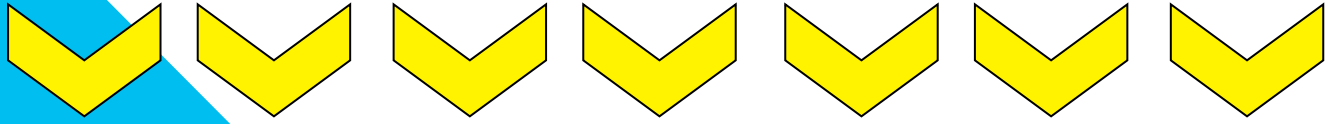
PARTNER GAMES

EASY TO PREP

1ST WEEK OF SCHOOL

PRINTABLES

BUILD INTEREST



MATHEMATICIANS

CAN

MATHEMATICIANS CAN
Work together

MATHEMATICIANS CAN
multiply and divide

MATHEMATICIANS CAN
Work with numbers

MATHEMATICIANS CAN
try again

MATHEMATICIANS CAN
make mistakes

HAVE

MATHEMATICIANS HAVE
erasers

MATHEMATICIANS HAVE
math tools

MATHEMATICIANS HAVE
paper

MATHEMATICIANS HAVE
calculators

MATHEMATICIANS HAVE
pencils

MATHEMATICIANS HAVE
rulers

ARE

MATHEMATICIANS ARE
tough!

MATHEMATICIANS ARE
out-of-the-box thinkers

MATHEMATICIANS ARE
you and me!

MATHEMATICIANS ARE
Smart

MATHEMATICIANS ARE
persistent

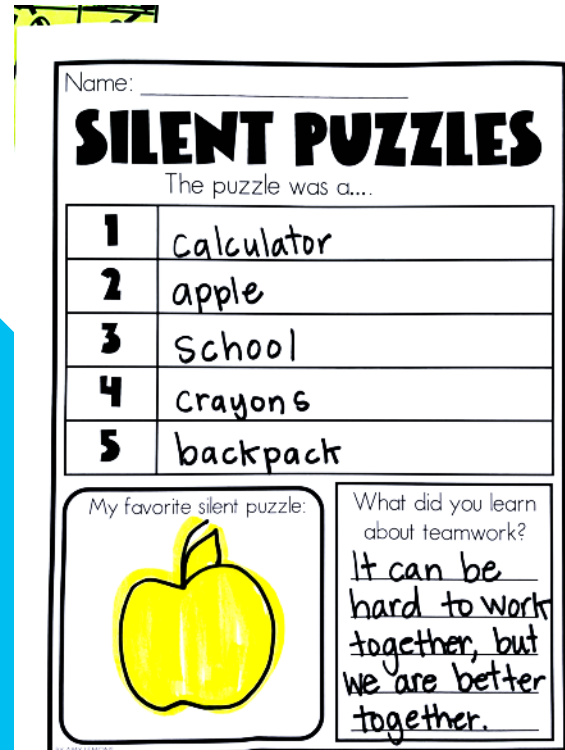
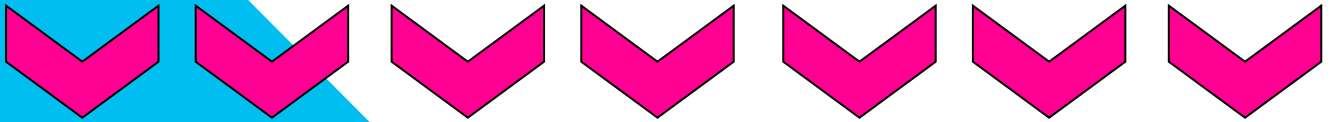
MATHEMATICIANS ARE
hard-workers

MATHEMATICIANS...
Mathematicians solve problems. We try hard things and do not give up. We make mistakes.



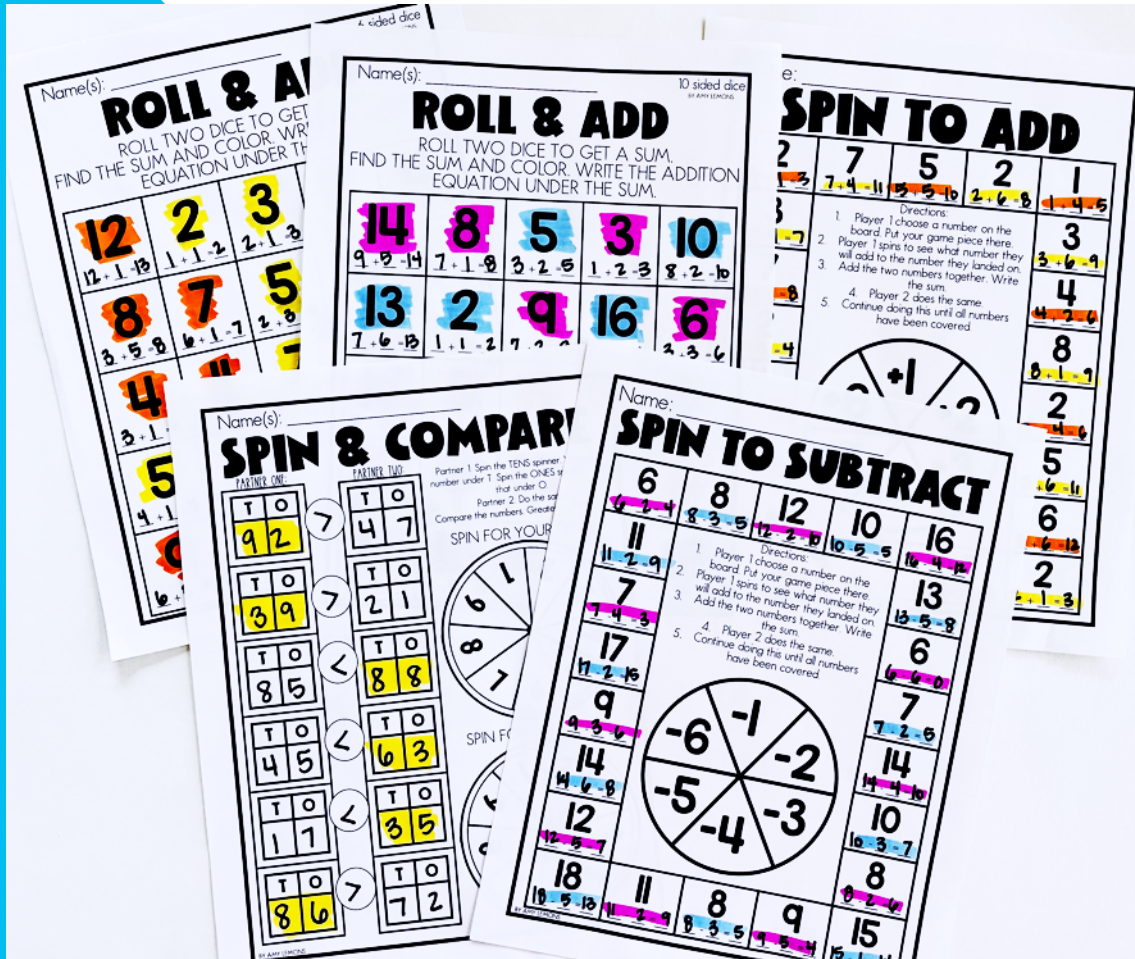
EVERY STUDENT IS A MATHEMATICIAN! BUILD STUDENTS' CONFIDENCE WITH THIS INTRODUCTION TO MATH ACTIVITY!

COOPERATIVE LEARNING



STUDENTS WORK TOGETHER TO SOLVE SILENT PUZZLES. THIS IS GREAT FOR INTRODUCING COOPERATIVE LEARNING EXPECTATIONS.

PARTNER GAMES



STUDENTS PLAY SIMPLE AND ENGAGING GAMES TO GET THE HANG OF WORKING WITH A PARTNER!

PARTNER GAMES



The image shows three overlapping cards with math word problems and solutions. The top-left card is blue and features two problems: one about students in a class (9 boys + 10 girls = 19 students) and one about pencils (12 yellow + 6 red = 18 pencils). The top-right card is pink and features two problems: one about apples (9 apples - 3 apples = 6 apples left) and one about cookies (12 cookies - 7 cookies = 5 cookies left). The bottom card is white with a blue border and contains the text 'WE CAN SOLVE WORD PROBLEMS' and a 'Name: _____' line. The cards use various visual aids like tally marks, drawings of trees and cookies, and equations to illustrate the solutions.

There are 9 boys and 10 girls in our class. How many students do we have in all?
 $10 + 9 = 19$ students

I have 12 yellow pencils and 6 red pencils. How many pencils do I have altogether?

There were 9 apples on the tree. 3 apples fell off. How many apples are left on the tree?
 $9 - 3 = 6$
6 apples left

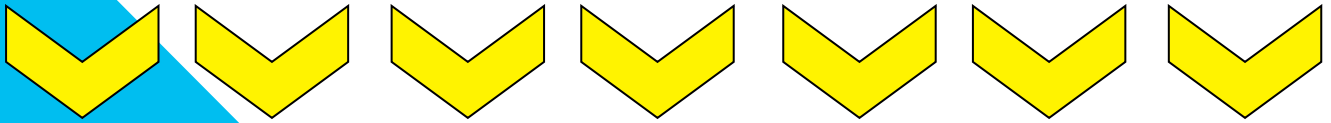
My mom baked 12 cookies. My sister ate 7 cookies. How many are left for me?
 $12 - 7 = 5$

WE CAN SOLVE
WORD
PROBLEMS

Name: _____

INTRODUCE WORD PROBLEM PROCEDURES
WITH THE WORD PROBLEMS STRIPS OR
BOOKLET!

MAKING NUMBERS



MAKING

12

$$\underline{5} + \underline{7} = \underline{12}$$

$$\underline{18} - \underline{6} = \underline{12}$$

$$\underline{9} + \underline{3} = \underline{12}$$

$$\underline{16} - \underline{4} = \underline{12}$$

$$\underline{8} + \underline{4} = \underline{12}$$

MAKING

8

$$\underline{5} + \underline{3} = \underline{8}$$

$$\underline{4} + \underline{4} = \underline{8}$$

$$\underline{11} - \underline{3} = \underline{8}$$

$$\underline{9} - \underline{1} = \underline{8}$$

$$\underline{6} + \underline{2} = \underline{8}$$

MAKING

10

$$\underline{3} + \underline{7} = \underline{10}$$

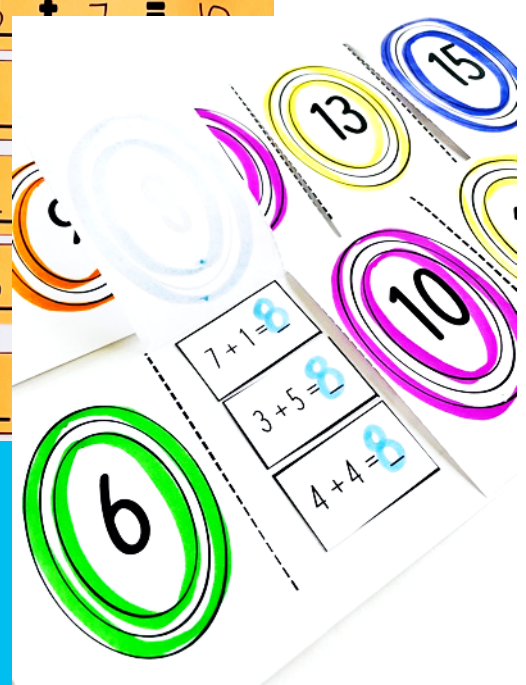
$$\underline{11}$$

$$\underline{12}$$

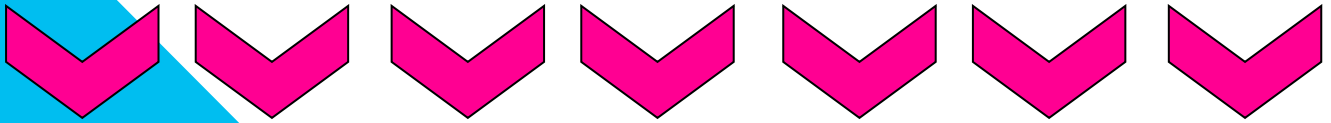
$$\underline{5}$$

$$\underline{15}$$

USE THIS MINI-LESSON
AND ACTIVITY TO
BEGIN WORKING WITH
MAKING NUMBERS!



MAKING NUMBERS



SET EXPECTATIONS FOR STUDENTS
USING MATH TOOLS IN THE
CLASSROOM

TALKING ABOUT MATH



MATH WE ALREADY KNOW:

MATH
I ALREADY KNOW

I can tell time

MATH
I ALREADY KNOW

I can skip count

MATH
I ALREADY KNOW

I know how to subtract

MATH
I ALREADY KNOW

I can measure

MATH
I ALREADY KNOW

how to add

MATH
I ALREADY KNOW

I can count

MATH WE WANT TO LEARN:

MATH
I WANT TO KNOW

how to multiply

MATH
I WANT TO KNOW

how to use rulers

MATH
I WANT TO KNOW

how to solve problems

MATH
I WANT TO KNOW

how to divide

MATH
I WANT TO KNOW

how to add large numbers

MATH
I WANT TO KNOW

how to count money

Name: _____

LET'S TALK ABOUT MATH!

Fill out the chart below:

MATH THAT I ALREADY KNOW:	MATH THAT I WANT TO LEARN:
<ul style="list-style-type: none">-add-subtract-count-skip count-tell time-work with numbers	<ul style="list-style-type: none">-multiply-divide-add BIG numbers-use a ruler-solve more problems

PROMOTE POSITIVE THINKING WITH THIS DISCUSSION ABOUT MATH

SEE WHAT CLASSROOM TEACHERS ARE SAYING!

AMBER SAYS

I have used this for several years and the kids love it. My teammates are jealous when I pull this out! :) It is great beginning of the year math activity that really gets the students thinking about math. It allows them to realize that **THEY** are mathematicians and math is everywhere!

KRISTEN SAYS

I have used this math set every year to get the kiddos excited for 2nd grade math! I absolutely love the tools vs. toys sort and math tools exploration sheets. So wonderful so kids can learn the expectations when using math tools.