

ADDITION FACTS

DOUBLES

BUILDING FLUENCY THROUGH FLEXIBLE THINKING
AND EFFECTIVE STRATEGIES

DOUBLES MATCH

Match a doubles fact in each set to the correct representation.

6+6=___ 9+9=___ 3+3=___ 6+6=___ 2+2=___

8+8=___ 5+5=___ 4+4=___ 9+9=___ 7+7=___

8+8=___ 10+10=___ 7+7=___ 3+3=___ 5+5=___

WRITE THE DOUBLES FACT

Write the doubles fact for each picture.

+ =

+ =

+ =

+ =

+ =

+ =

+ =

+ =

+ =

+ =

THINK ABOUT IT What is another way that you could represent 5+5?

THINK FAST!

Where might you see the double of 5 in real life?

Where might you see the double of 2 in real life?

Where might you see the double of 4 in real life?

GUMBALL ADDITION

Write the sums. Then shade the gumballs according to the sum.

2: pink 6: blue 10: purple 14: red 18: brown
8: white 12: orange 16: black 20: green

6+6= 8+8= 4+4= 7+7= 5+5= 9+9=

5+5= 7+7= 5+5= 3+3= 2+2= 6+6=

8+8= 9+9= 5+5= 2+2=

6+6=

9+9= 8+8= 4+4= 10+10=

7+7=

6+6= 3+3= 1+1= 6+6=

MATH TALK

Solve each of the following.

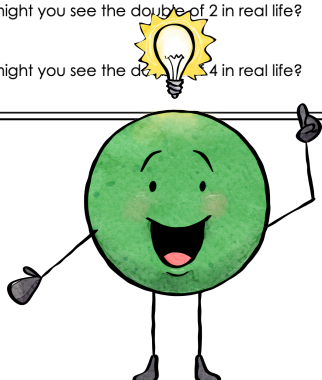
5+5
10+10
15+15
30+30

How are they connected?
What do you notice?

DOUBLES FACTS
4+4=8

The double of 4 is 8.

CREATED BY
SHELLEY GRAY



About This Resource

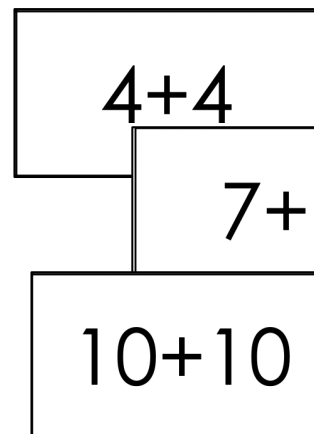
Doubles occur all around us in real life. Think about fingers and toes ($5+5$), egg cartons ($6+6$) or the wheels on a car ($2+2$). For this reason, most students find it easy to remember the doubles facts.

When students know the doubles facts, they can use them to figure out other nearby facts. For example, if a student knows $6+6$, then $6+7$ can easily be figured out by adding one more.

Knowing the doubles facts makes many other addition strategies easier, so in this strategy unit we will focus on learning the addition doubles facts.

What's Included?

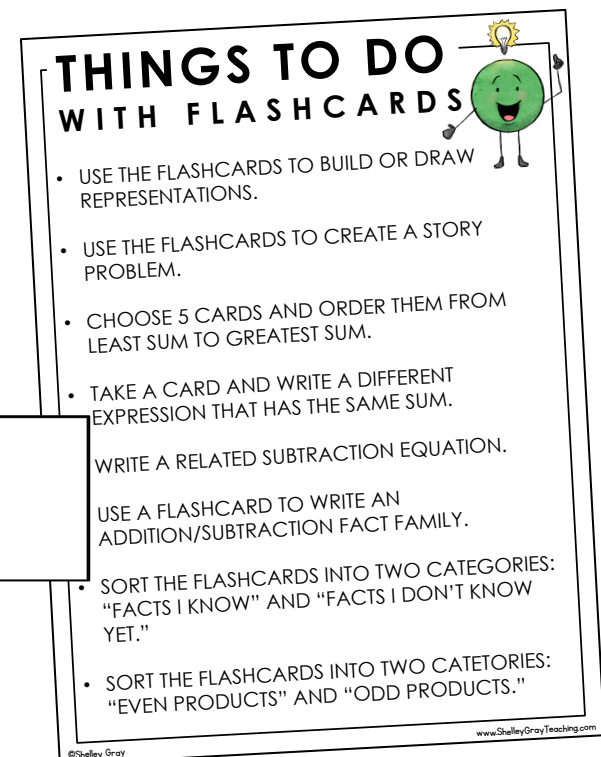
Mini Flashcards with Suggested Activities



$4+4$

$7+7$

$10+10$



THINGS TO DO WITH FLASHCARDS

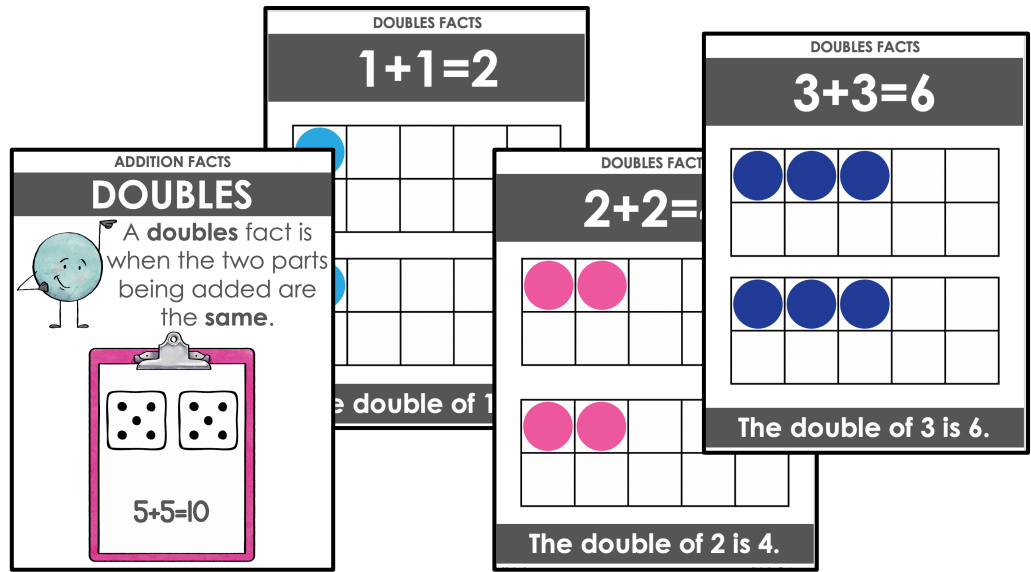
- USE THE FLASHCARDS TO BUILD OR DRAW REPRESENTATIONS.
- USE THE FLASHCARDS TO CREATE A STORY PROBLEM.
- CHOOSE 5 CARDS AND ORDER THEM FROM LEAST SUM TO GREATEST SUM.
- TAKE A CARD AND WRITE A DIFFERENT EXPRESSION THAT HAS THE SAME SUM.
- WRITE A RELATED SUBTRACTION EQUATION.
- USE A FLASHCARD TO WRITE AN ADDITION/SUBTRACTION FACT FAMILY.
- SORT THE FLASHCARDS INTO TWO CATEGORIES: "FACTS I KNOW" AND "FACTS I DON'T KNOW YET."
- SORT THE FLASHCARDS INTO TWO CATEGORIES: "EVEN PRODUCTS" AND "ODD PRODUCTS."

©Shelley Gray www.ShelleyGrayTeaching.com

Doubles Reference Poster and Fact Posters

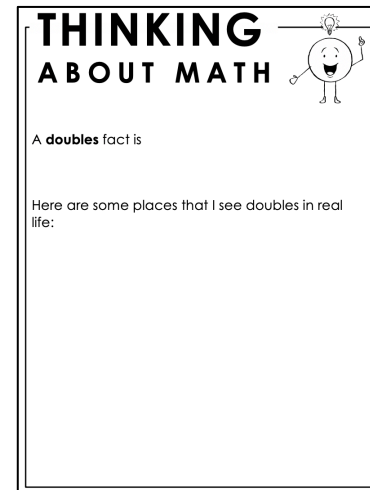
to post in your classroom for easy reference

(11 pages)



Thinking About Math Reflection

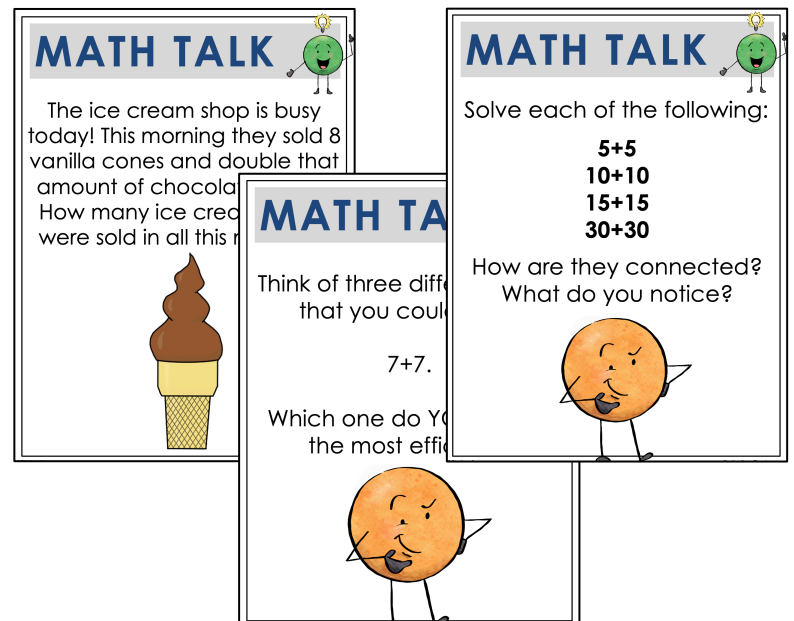
for your students to reflect on new learning



Classroom Math Talk

Use these prompts for Number Talks or to get a conversation started about strategies and flexible thinking.

(4 pages)



Small Group or Station Activities

Use these task card activities for guided math groups, small groups, or even individual learning.

(2 stations)

DOUBLES MATCH

$2+2$

$4+4$

INSTRUCTIONS:

Complete each puzzle by matching the parts and the whole. Each completed puzzle should show a doubles fact.

PART PART WHOLE PUZZLE

INSTRUCTIONS:

Complete each puzzle by matching the parts and the whole. Each completed puzzle should show a doubles fact.

Doubles Magic Circle

A whole class activity to practice the doubles facts

START

Who has the double

I have 2.

Who has the double of 5?

I have 12.

Who has the double of 1?

My Math Fact Philosophy

My resources are created with this philosophy in mind:

- Math should be taught using the Concrete-Representational-Abstract model.
- UNDERSTANDING math facts is more important than memorizing math facts. Conceptual understanding is the **key to math fact fluency**.
- Students must be able to visualize the math in order to really understand it.
- True math fact fluency is more than just speed and accuracy. It also includes flexibility, which is essential to true fluency.
- One of the best ways to build flexibility is by making connections and forming relationships between facts.