

Strategies for Math Banner

This Really Good Stuff® product includes:

- **Strategies for Math Banner**, laminated
- This Really Good Stuff® Activity Guide

Congratulations on your purchase of this Really Good Stuff® **Strategies for Math Banner**—a multipurpose visual aid that illustrates a variety of strategies to solve math problems.

Meeting Common Core State Standards

This Really Good Stuff® **Strategies for Math Banner** is aligned with the following Common Core State Standards for Mathematics:

Counting and Cardinality

K.4 Understand the relationship between numbers and quantities; connect counting to cardinality.

Operations and Algebraic Thinking

1.2 Solve word problems that call for addition of three whole numbers whose sum is less than or equal to 20, for example, by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.

Displaying and Preparing the Strategies for Math Banner

Before introducing the **Strategies for Math Banner**, make copies of this Really Good Stuff® Activity Guide, cut apart the reproducibles, and file the pages for future use. Or, download another copy of it from our Web site at www.reallygoodstuff.com. Hang the *Banner* where students will be able to see it easily.

Introducing the Strategies for Math Banner

Copy, cut, and distribute the *Strategies for Math Mini Banner Reproducible*. Use black construction paper to cover up all the strategies except for the first one. Write one story problem on chart paper. Gather students where they can easily see the **Strategies for Math Banner** and the story problem. Indicate that when they are having trouble solving a math problem, there are math problem-solving strategies to help. Explain that each day you are going to reveal one new math strategy for them to use. Pointing to the story problem, model how to use the first strategy to solve the story problem.

Each day, move the construction paper down the page to reveal a new problem-solving strategy. Repeat the same process with a new story problem and math strategy.

Mini Math Strategies Graph Reproducible

After you have introduced all of the math strategies, copy the *Mini Math Strategy Graph Reproducible*. Using the reproducible as a guide, draw a larger version on chart paper. Grab some sticky notes and a dry erase board. Write a story problem on the board.

Review the strategies on the *Banner*. Read the story problem aloud. Distribute the reproducible and a sticky note to each student. Ask students to write which strategy they would use to solve the problem on the front of the sticky note and their name on the back. Place their sticky notes on the enlarged strategy graph. Discuss which strategies were used the most, least, and so on, and why. Encourage students to keep track of the strategies they use to solve problems on the reproducible.

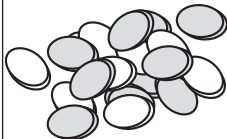
Small Group Rolling for Math Strategies

Copy the *Rolling for Math Strategies Reproducible*. Write several math story problems on index cards. Cut, fold, and glue one die from the reproducible. Follow the directions on the reproducible to make the math strategy die.

Gather a small group of students, show them the die, and explain that they are going to roll it to decide which strategy they will use to solve math problems. Read the first math story problem; ask one student to roll the die, pick one of the strategies, and try to solve the problem. Pointing to the *Banner*, ask each student to use a different way to solve the problem. Repeat the process with a few other story problems. Distribute the reproducible, review the directions, and encourage students to create their own math strategy die to keep at their desks and to roll when they need help to solve their math problems.

Strategies for Math

Use your fingers.



Use manipulatives.

Draw a picture.



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

Use a number grid.

Use mental math.



Count on.
3, 4, 5

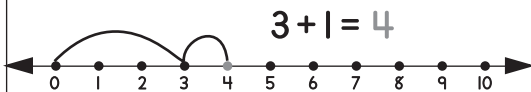
Draw tallies.



1, 2, 3, 4, 5

Count out loud.

Use a number line.



Write a number sentence.

$$5 + 6 = 11$$

Strategies for Math

Use your fingers.



Use manipulatives.

Draw a picture.



1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
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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

Use a number grid.

Use mental math.



Count on.
3, 4, 5

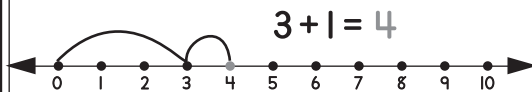
Draw tallies.



1, 2, 3, 4, 5

Count out loud.

Use a number line.



Write a number sentence.

$$5 + 6 = 11$$

Rolling for Math Strategies

Directions: Cut along the solid lines. Fold along the dotted lines. Follow the numbers to glue the flaps together in the easiest order. Do not glue the top flap.

Number Grid

Math Sentence
 $5 + 6 = 11$

Number Line
 $3 + 1 = 4$

Fingers

Draw a Picture
 $\star + \star$

Count Out Loud
 1, 2, 3, 4, 5

Tally Marks

Mental Math

Manipulatives

Count On
 $\bullet + \bullet + \bullet$
 3, 4, 5

Top

Bottom

Four Sides

1, 2, 3, 4