Strategies for Mathematics

DRAW for Basic Math

To help me calculate answers to problems with whole numbers or fractions (addition, subtraction, multiplication, division).

Discover the sign.

- Scan the problem and find the operation sign $(+, -, \times, \div)$
- Circle, and say name of computation sign.
- Say what the sign means.

Read the problem.

- Read the whole problem.
- Say the problem aloud as you read.

Answer, or draw tallies and/or circles and check your answer. (*see draw examples for each operation*).

- Answer the problem if you know how to solve it.
- If you don't know how to solve the problem then draw pictures to solve it.
- For example:

Addition



Subtraction

Whole Numbers	Fractions	
-6 $+++$ $ $	2/3 - <u>1/3</u> 1/3	

Multiplication

 $4 \ge 5 =$ _____ - "four groups of five equals..."

1. Draw circles for the number of groups.



2 Draw tallies or dots to represent how many are in each group.



3. Add the tallies in all circles and write the total.

 $4 \ge 5 = 20$ - "four groups of five equals twenty"

Division

24 ÷ 4 =

1. Draw tallies or dots to represent dividend ("24").

2. Circles tallies dots by the value of the divisor ("4").



3. Count number of circles (this is your answer - the quotient ("6").

 $24 \div 4 = 6$

Write the answer.

• Write down the answer to the problem

This strategy is based on a strategy presented in Mercer, C., & Mercer, A. (1998). Teaching students with learning disabilities. (5th ed). Columbus, O: Merrill.

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