

To Proficiency & Beyond, A Strategic Approach to Addition and Subtraction (Pre-K to Grade 2)

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NUMBER FACT STRATEGIES

ADDITION

- Count-on 1, 2 and 0
- Doubles and near doubles
- Make ten

SUBTRACTION

Think addition

TEACHING SEQUENCE

- Introduce (see page 2)
- Reinforce (see page 2)
- Practice (see page 4)
- Extend (see page 4)

Sequence for Teaching Skills

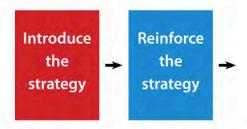


This stage involves the use of **concrete** materials and **pictorial** representations to model the strategy.

At this first stage, ORIGO resources also include contextual situations to provide meaning.

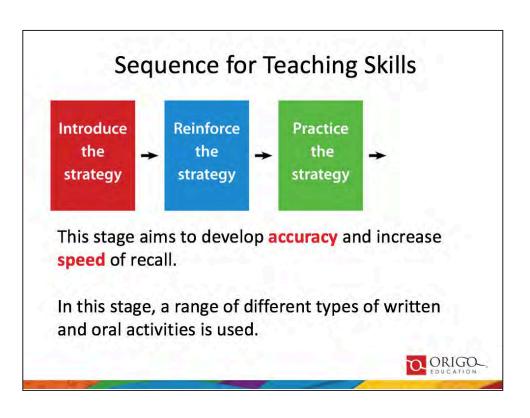


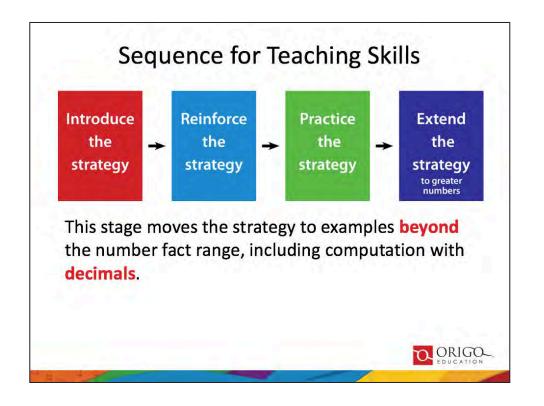
Sequence for Teaching Skills



This stage provides the opportunity for the students to assimilate and internalize the strategy.

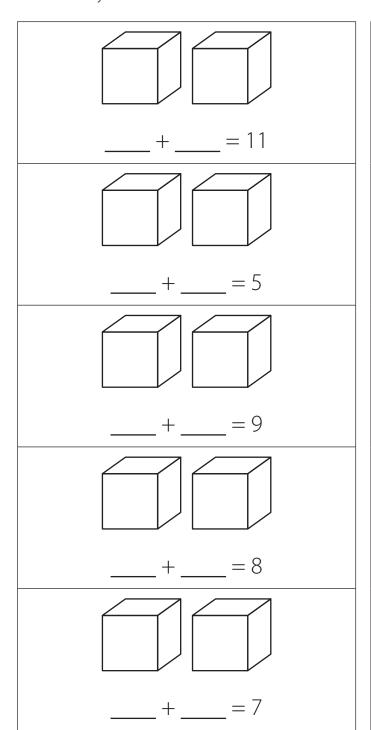
It is an additional link that **connects** the models of the introductory stage to the symbols of the practice stage.

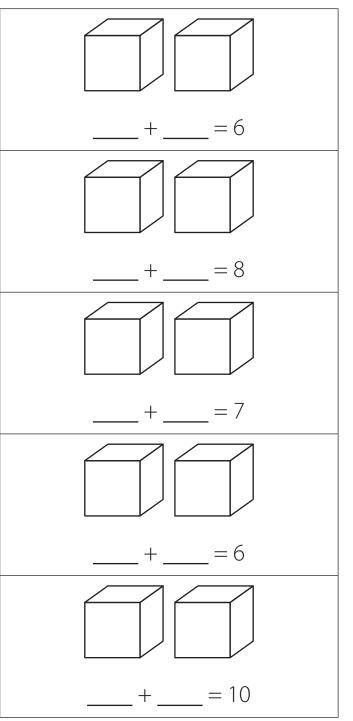




REINFORCE: Count on 1 and 2

- Roll your number cubes and count on 1 or 2.
- Find your answer below.
- Write your numbers on the number cubes. Write the number fact.





Cube A:

4,

5,

6

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7, 8,

Cube B:

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REINFORCE: Doubles-plus-1

11	19	13	15
13	9	17	19
17	11	15	9

Cube: 4, 5, 6, 7, 8, 9 (Same as previous game)

INTRODUCE: Make Ten

ORIGO Education: Box of Facts (Addition and Subtraction)

REINFORCE: Make Ten

- Roll your number cubes and write the fact below the example in the grid that will help you figure out the answer.
- Write the answer to both facts.

10 + 6	=
+_	_=
10 + 5	=
+	_=
10 + 5	=
+_	_=
10 + 4	=
+_	_=
10 + 4	=
+_	_=
10 + 3	=
+_	_=
10 + 3	=
+_	_=
10 + 2	=
+_	_=
10 + 1	=
+_	_=

10 +	6	=
+		_=
10 +	5	=
+		_=
10 +	5	=
+		_=
10 +	4	=
+_		_=
10 +	4	=
+_		_=
10 +	3	=
+_		_=
10 +	3	=
+		_=
10 +	2	=
+		_=
10 +	1	=
+		_=

Cube A: 8, 8, 8, 9, 9, 9

Cube B: 3, 4, 5, 5, 6, 7

CONNECT ADDITION AND SUBTRACTION

Take or Tally

Player 1

Player 2

Tally

Tally

Cube A: 1, 2, 3, 1, 2, 3

Cube B: 7, 8, 9, 10, 11, 12