

PROGRESSION OF ADDITION

SEQUENCE OF SKILLS

MAKE 20
 $17 + 3$ $11 + 9$ $13 + 7$

HIGHER ADDITION FACTS
 $12 + 7$ $11 + 5$ $14 + 5$

BRIDGE 7
 $7 + 4$ $7 + 6$ $7 + 9$

BRIDGE 8
 $8 + 7$ $8 + 5$ $8 + 9$

BRIDGE 9
 $9 + 2$ $9 + 5$ $9 + 4$

DOUBLES + 2
 $2 + 4$ $3 + 5$ $5 + 7$

DOUBLES + 1
 $3 + 4$ $7 + 8$ $8 + 9$

DOUBLES
 $7 + 7$ $2 + 2$ $9 + 9$

ADD 10
 $1 + 10$ $4 + 10$ $6 + 10$

MAKE TEN
 $6 + 4$ $8 + 2$ $9 + 1$

ADDING WITHIN 10
 $7 + 2$ $6 + 3$ $5 + 4$

ADDING WITHIN 5
 $3 + 2$ $2 + 2$ $1 + 4$

COUNTING ON
 $4 + 1$ $2 + 5$ $4 + 3$

ADDING 0
 $0 + 4$ $0 + 2$ $0 + 6$

ADDING 1
 $1 + 8$ $1 + 5$ $1 + 9$

RESEARCH NOTES

CÖUNT ALL

CÖUNT ÖN

DERIVED FACTS

AUTÖMATICITY

(Henry & Brown, 2008; Baroody, 2006, Kling & Bay Williams & Kling, 2019)

These are not key words! It is just Math Vocabulary! Never use key words!

ADD PLUS, HOW MANY ARE ALTOGETHER?

COUNT UP, SUM, TOTAL, JOIN, INCREASE, IN ALL, TOGETHER, HOW MANY

PROGRESSION OF ADDITION

JOURNEY TO FLUENCY

RESEARCH NOTES

1 COUNT ALL

2 COUNT ON

3 DERIVED FACTS

4 AUTOMATICITY

(Henry & Brown, 2008; Baroody, 2006, Kling & Bay Williams & Kling, 2019)

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MAKE 20

$$15 + 5$$

HIGHER ADDITION FACTS

$$12 + 7$$

BRIDGE 7

$$7 + 9$$

BRIDGE 8

$$8 + 7$$

DOUBLES

+ 1

$$8 + 9$$

DOUBLES

+ 2

$$5 + 7$$

BRIDGE 9

$$9 + 2$$

DOUBLES

$$9 + 9$$

ADD 10

$$6 + 10$$

MAKE TEN

$$6 + 4$$

ADDING WITHIN 10

$$6 + 3$$

ADDING 0

$$10 + 0$$

ADDING 1

$$8 + 1$$

COUNTING ON

$$4 + 2$$

ADDING WITHIN 5

$$1 + 4$$

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ADDING WITHIN 5

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COUNTING ON

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ADDING 1

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RESEARCH NOTES

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ADD PLUS, HOW MANY ARE ALTOGETHER?

COUNT UP, SUM, TOTAL, JOIN, INCREASE, IN ALL, TOGETHER, HOW MANY

JOURNEY TO THE MATHS

PROGRESSION OF ADDITION

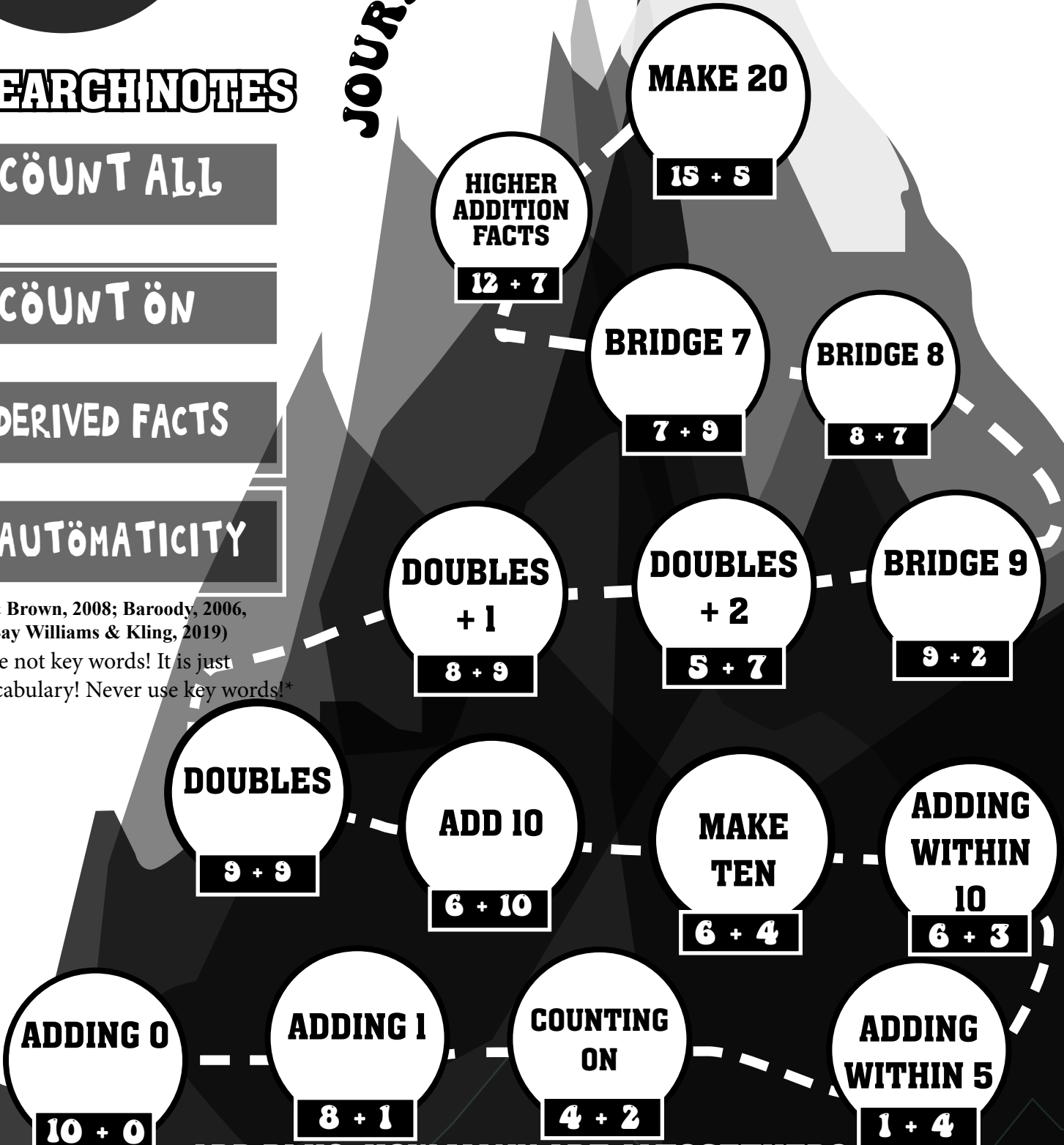
JOURNEY TO FLUENCY

RESEARCH NOTES

- 1 COUNT ALL
- 2 COUNT ON
- 3 DERIVED FACTS
- 4 AUTOMATICITY

(Henry & Brown, 2008; Baroody, 2006, Kling & Bay Williams & Kling, 2019)

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About the Dr. Nicki Newton



Dr. Nicki Newton is an education consultant who works with schools and districts around the country and Canada on K-8 math curriculum. She has taught elementary school, middle school, and graduate school. Dr. Nicki has an Ed.M. and an Ed.D. from Teachers College Columbia University. She is greatly interested in teaching and learning practices around the world and has researched education in Denmark, Guatemala and India. She has written several books, including being a part of the curriculum team for the new McGraw Hill Revel Math series. She is currently working on a book about counting.

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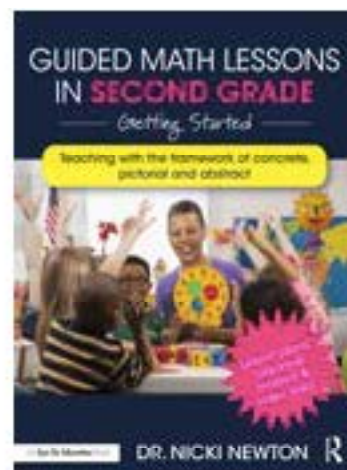
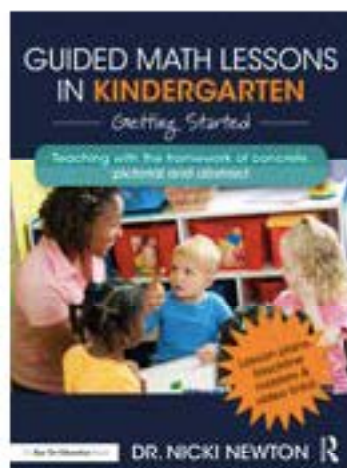
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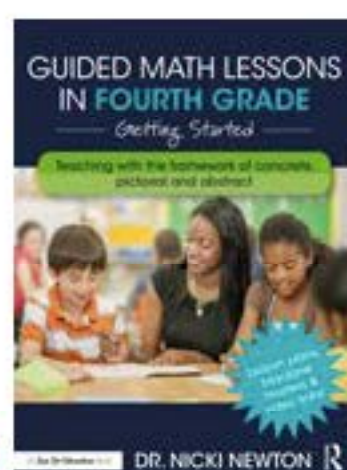
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K-5

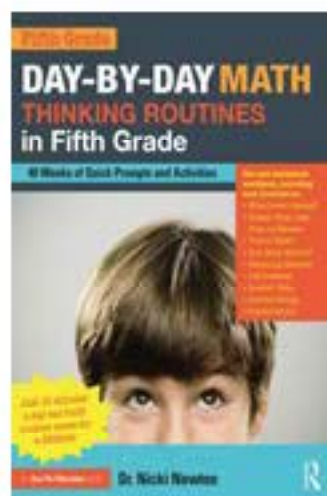
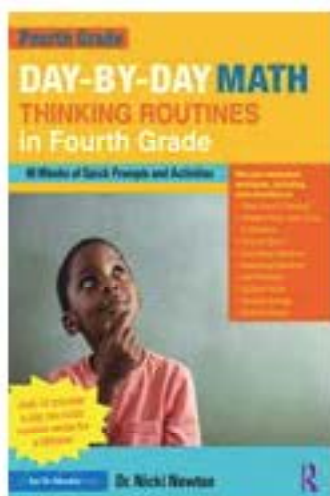
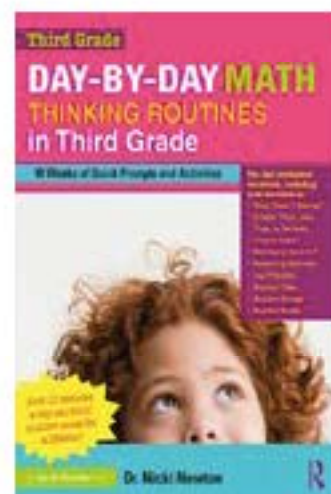
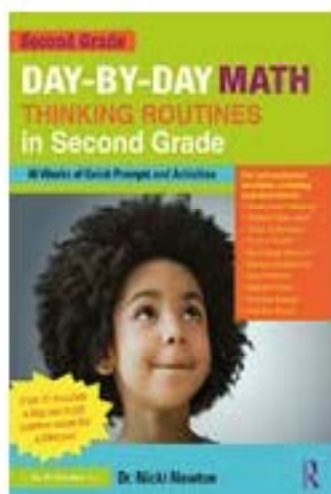
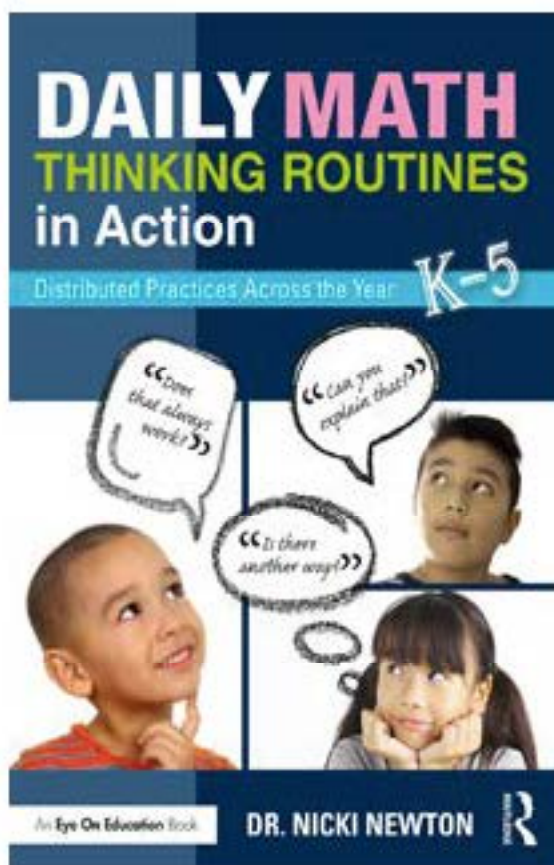
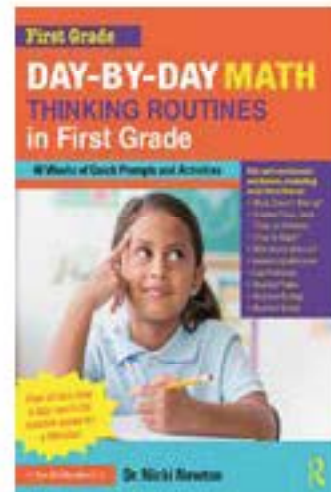
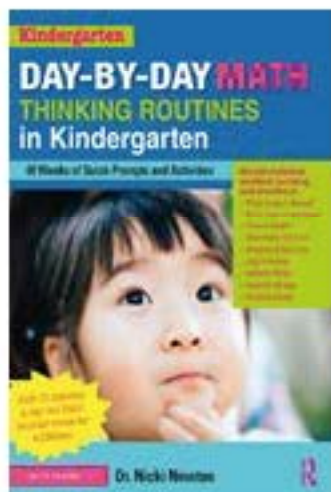
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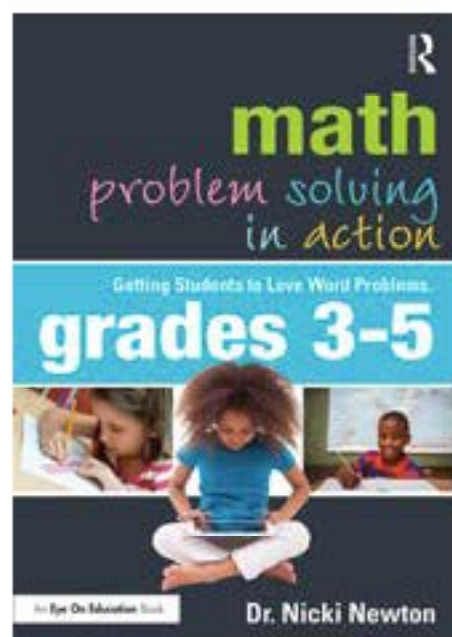
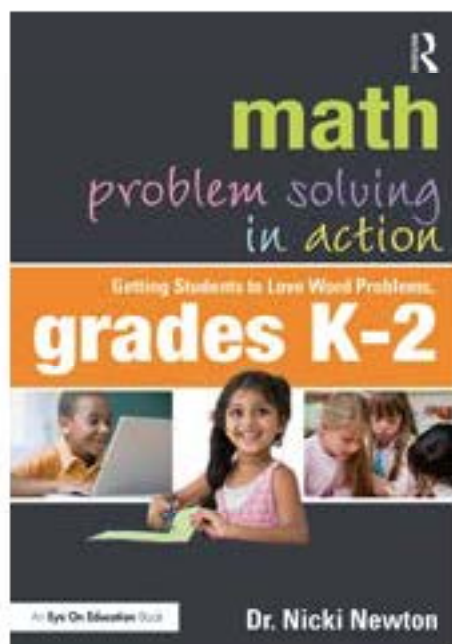


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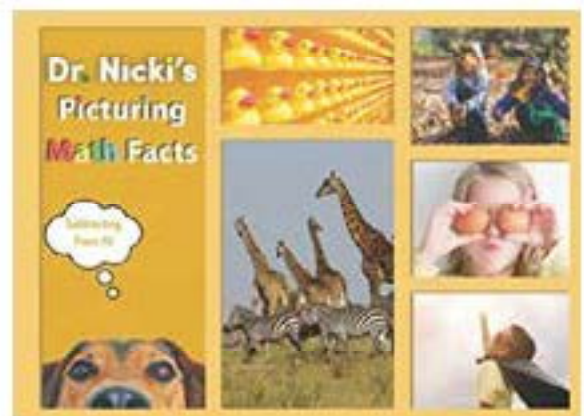
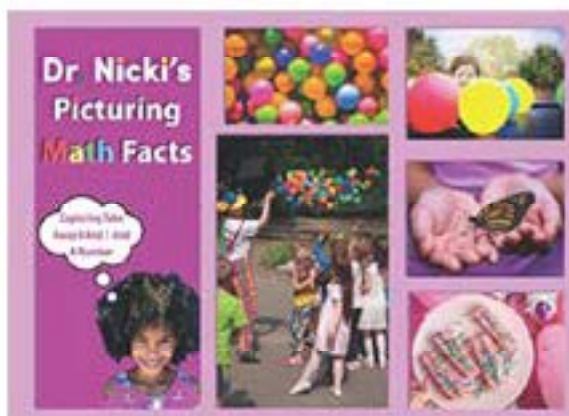
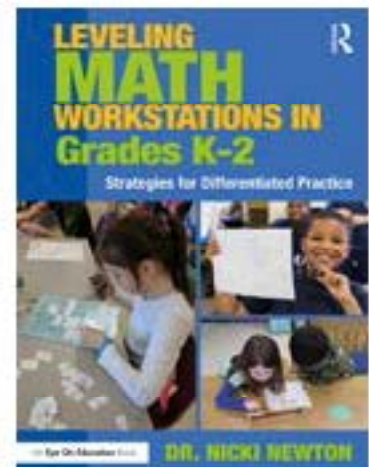
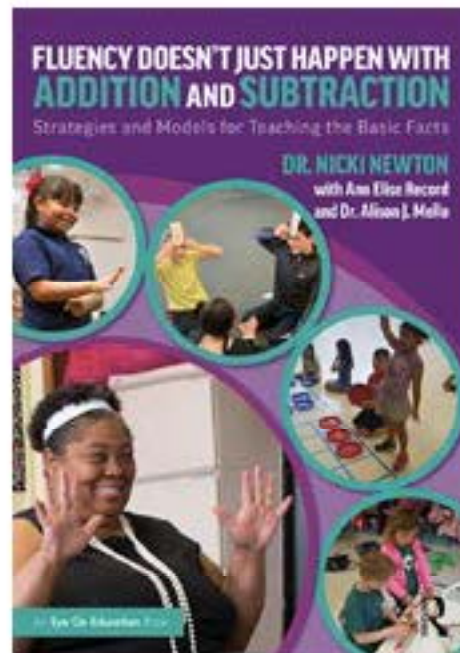
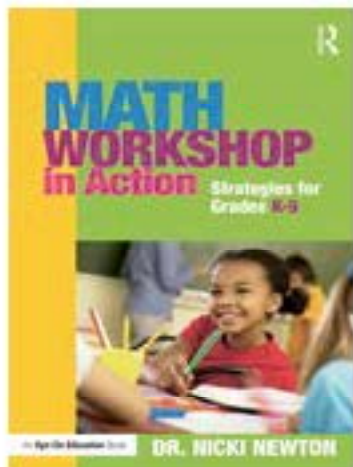
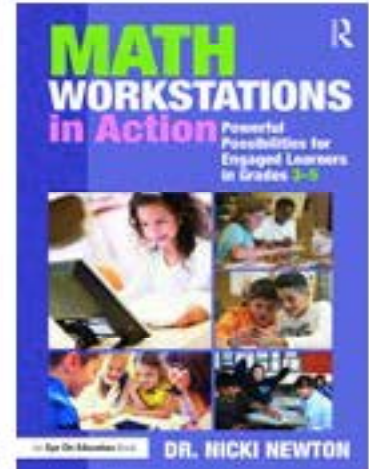
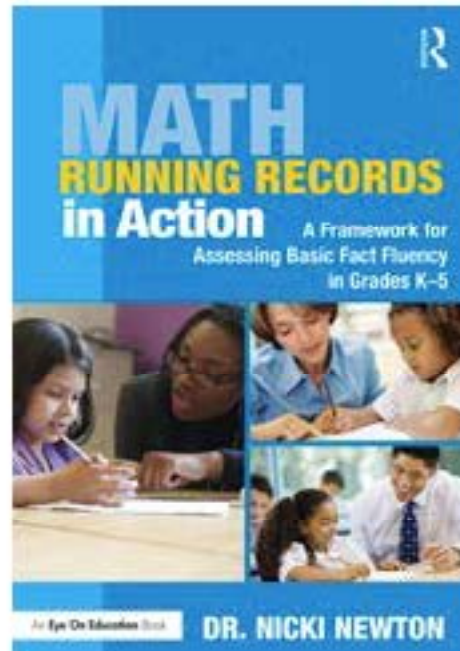
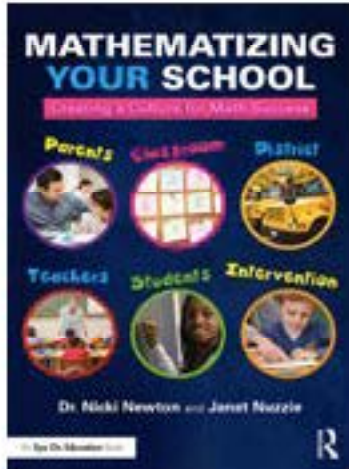
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