Ideas in Mathematics:
Fluency

Key Concept

Fluency-building activities provide opportunities for students to master facts and other necessary math knowledge. Fact fluency includes recall of problems with single-digit addends, minuends, factors, and quotients. Proficiency with these skills is called procedural fluency.

Why?

- Fluency practice supports students with limited working memory and math difficulties.
- Mastery of basic math facts and procedures frees cognitive resources.
- This allows students to focus on more complex math content.

How?

- Struggling math students benefit from explicit instruction in learning strategies.
- Teachers should provide brief (1–2 minutes) daily fluency practice.

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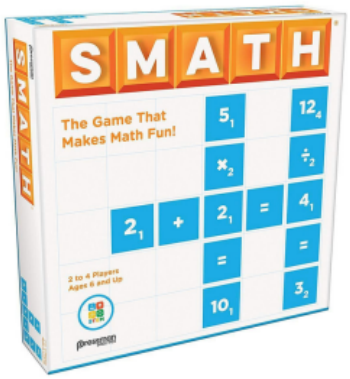

Cover, Copy, Compare

9 × 8 = 72		8 × 7 = 56	
7 × 7 = 49		9 × 9 = 81	
8 × 8 = 64		6 × 6 = 36	
6 × 7 = 42		7 × 9 = 63	
6 × 9 = 54		6 × 8 = 48	

Taped Problems

7 × 6	6 × 6	7 × 5
5 × 4	5 × 7	6 × 7
4 × 4	5 × 5	6 × 4
5 × 6	4 × 6	7 × 4
7 × 7	4 × 7	4 × 5

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Resources

- https://www.mathspiral.com/files/professional-learning/new-educators-S03/fluency-activity-list.pdf
- https://www.youtube.com/watch?v=hihsJkmiN2Y&t=2s
- https://www.mathspiral.com/files/professional-learning/new-educators-S03/spiral-flashcard-graph.pdf