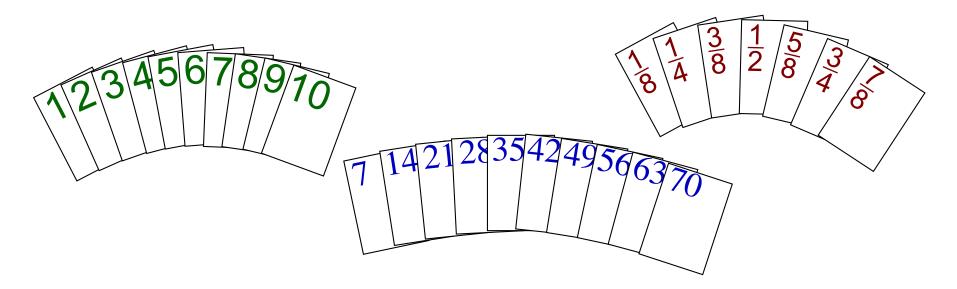
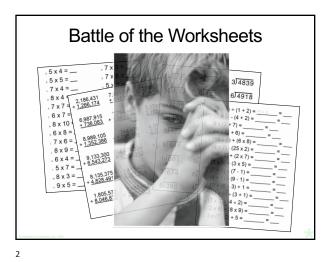


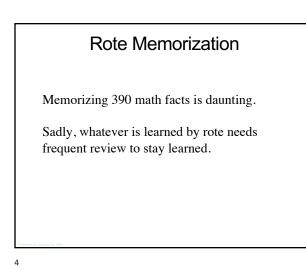
Teaching with Math Card Games

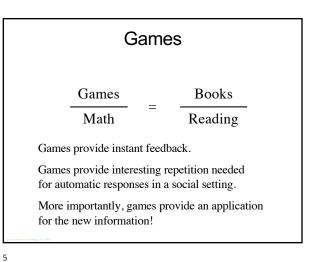


presented by Kathleen Cotter Clayton based on the work of Dr. Joan A. Cotter



Battle of the Flashcards X ╋ X





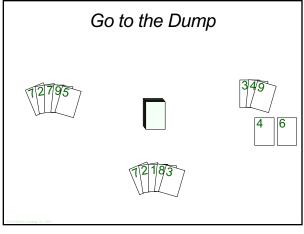
Go to the Dump

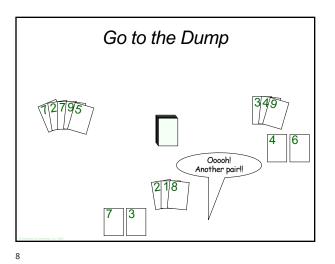
Objective: To learn and master the facts of 10.

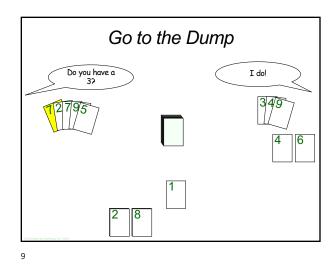
Number of Players: 2 to 4.

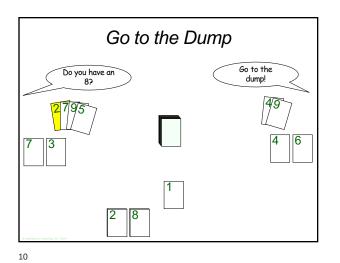
Cards: Basic number cards from 1 to 9.

Goal: To collect the most pairs.

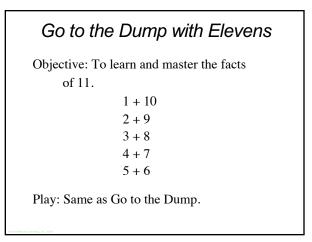




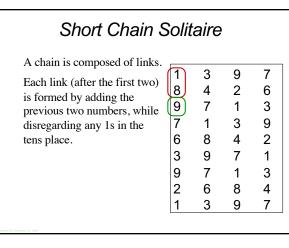








Go to the Dump with Nines Objective: To learn and master the facts of 9. 1 + 8 2 + 7 3 + 6 4 + 5 Note: Make sure that the facts of 10 are solid before playing these variations.



Short Chain Solitaire

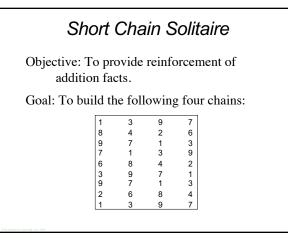
A chain is composed of links.

Each link (after the first two) is formed by adding the previous two numbers, while disregarding any 1s in the tens place.

There are some interesting

patterns.

| | 3 | 9 | 7 |
|---|----------------------------|----------------------------|---|
| | 3 4 7 | 2 | 6 |
| J | 7 | 1 | 3 |
| | $\left(1\right)$ | 9 2 1 3 4 7 | 7 6 3 9 2 1 3 4 7 |
| | 8 | 4 | 2 |
| | 9 | 7 | 1 |
| | 1 8 9 7 6 3 | (1) | 3 |
| | 6 | 1 8 9 | 4 |
| | 3 | 9 | 7 |
| | | | 4 |



Short Chain Solitaire A chain is composed of links. Each link (after the first two) is formed by adding the previous two numbers, while disregarding any 1s in the tens place.

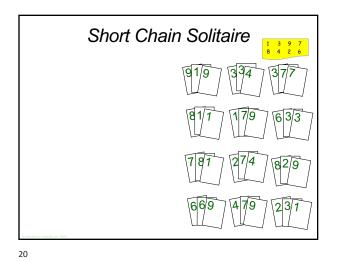
Short Chain Solitaire

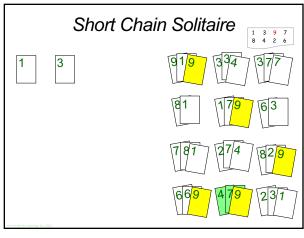
Objective: To provide reinforcement of addition facts.

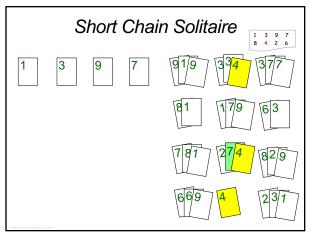
Goal: To build the four chains.

Cards: 36 specific cards.

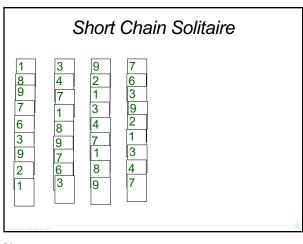
Layout: Lay cards in fans of three.

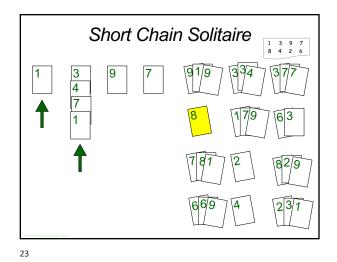






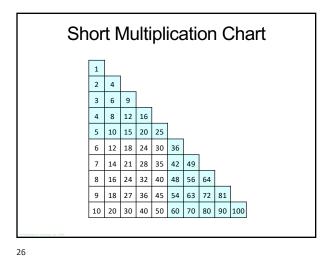
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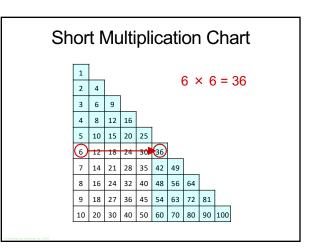


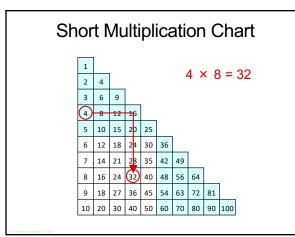


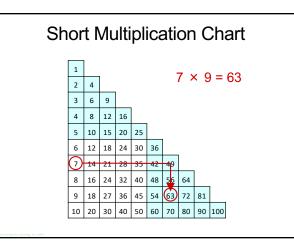
Short Chain Solitaire

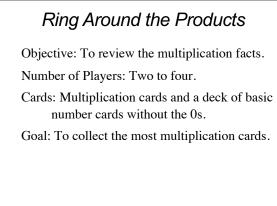
- Cannot be won if an error is made.
- Using some strategy, a player can win about three-fourths of the time. Several players can work together to win.
- Best of all, these Chain Solitaire games provide hours of fun!
- Nine variations available.
- 97 of the 100 addition facts are used. Only 0+0, 5+0, and 5+5 are omitted.

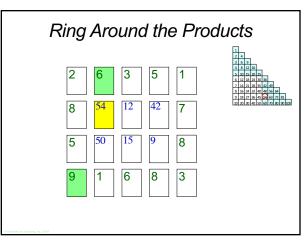


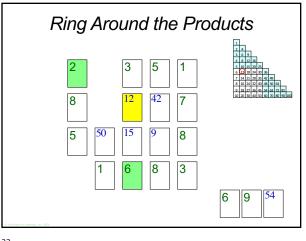












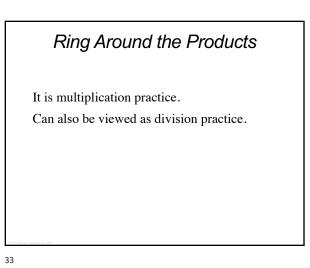
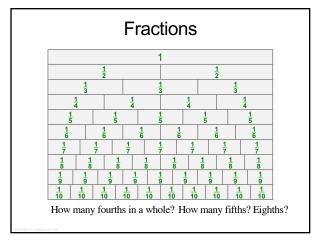
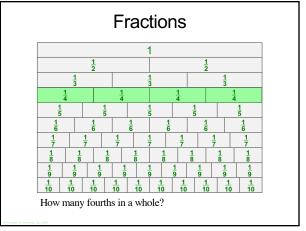
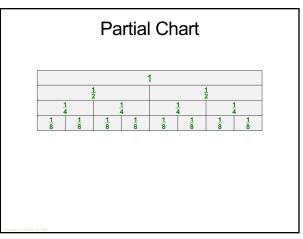
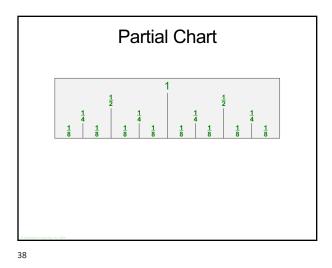


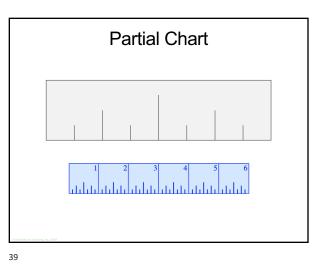
Image: constraint of the system of the s

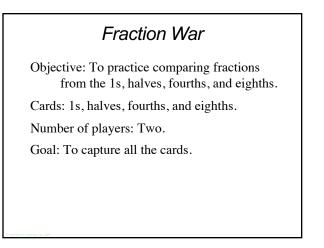


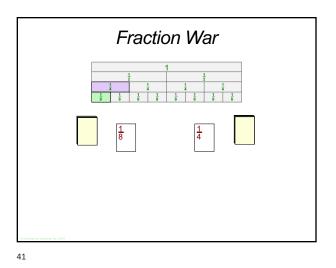


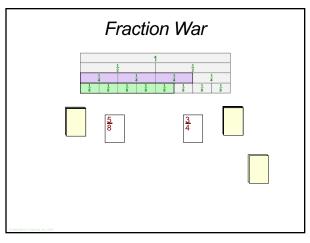


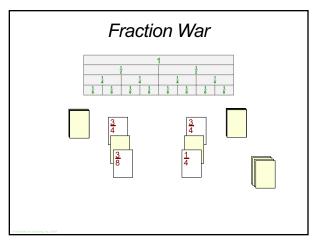


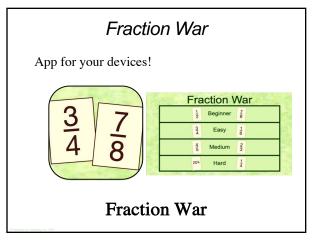












In Conclusion ... Our goal as a teacher of mathematics is to help our children transform, expand, and refine these beginning ideas into deeper mathematical thinking. – Dr. Joan A. Cotter

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In Conclusion ...

- Games provide instant feedback.
- Games provide interesting repetition needed for automatic responses in a social setting.
- More importantly, games provide an application for the new information!