

3/24/06

TCH 341 -Mathematics in the Elementary School
Chapter 8 - Basic Facts

For each thinking strategy, write several facts that would work well. Be sure you understand how each works. Try to do this without using the textbook.

Addition and Subtraction

Counting on

• $8+2 \rightarrow 8 \dots 9, 10$ (10)

Counting on in subtraction

• $9-7 \rightarrow 7 \dots 8, 9$ (2)

• #s are close together

Counting back

• $9-2 \rightarrow 9 \dots 8, 7$ (7)

One more or one less than a known fact

• $6+7 \rightarrow 6+6=12, 6+7=13$

Compensation

Multiplication and Division

Repeated addition

- works well with smaller #s
- start with larger #

Skip Counting

- works well with 2, 5, 10² & their multiples

Split the product into known parts

- works well with larger #s broken down into smaller, more manageable #s

Facts of five

- 0 and 5 (ones place)

Pattern Strategy

- works well for visual learners

$$10 = \textcircled{\cdot\cdot\cdot} \textcircled{\cdot\cdot\cdot}$$

- # grid

- 9's mult. strategy 