

DOING MATH. 2 kinds:

I. Answer oriented. Levels:

A. Write down answer

B. Use method to give ans.

C. Look among known methods

II. Wider focus. Levels:

D. Explore subject. Guess, try, ... Real involvement.

E. Freedom for wild ideas.

CREATIVITY - Inherent, especially in young children.

CREATION: From germ of idea, involvement of intellect to work out.

$$1.01^2 \approx 1.0201$$

$$(1+y)^2 = 1 + 2y + y^2$$

$$(1 + a_1x + a_2x^2 + \dots)^2 = 1 + 2a_1x + (a_1^2 + 2a_2)x^2 + \dots$$

SOME POSITIVE WAYS

Occasionally (often):

Freedom to explore.

Out of sense of school.

Plenty of time.

No help; only encourage-
ment.

SCHOOL PROBLEMS

Children's attitude: Should.

Focus: Write down ans.

Math hard if no meaning.

Taboos.

Triple bind.

Failure of explanations.

Failure of remedial work

Basic inner fears.

Partial success is threatening