

Dr. Taylor's Pedagogical Notes

— ADDING WHOLE NUMBERS —

How many is : $3 + 5$

WE SHALL LOOK AT MULTIPLE STRATEGIES WHICH MOVE FROM CONCRETE TO ABSTRACT

① COLORED SQUARES

$$3 = 1 + 1 + 1$$



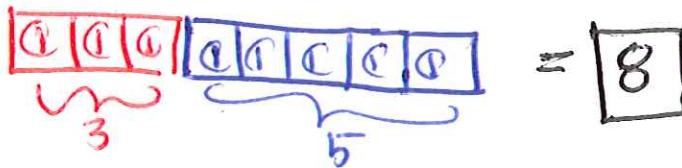
$$5 = 1 + 1 + 1 + 1 + 1$$



CONCRETE

→ NOW WE CAN COUNT THEM OUT INDIVIDUALLY AS A SUM OF UNITS, OR GROUP THEM IN A CONVENIENT WAY (LIKE IN "2's") AND SKIP COUNT.

② STRIP DIAGRAM



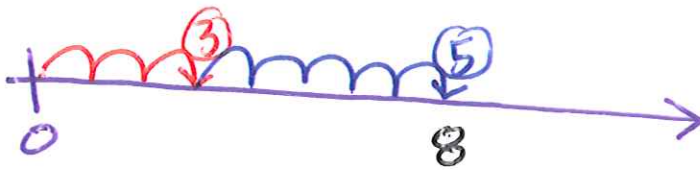
GRAPHICAL

→ AGAIN, WE CAN COUNT THESE OUT OR GROUP & SKIP COUNT TO ACHIEVE OUR SUM.

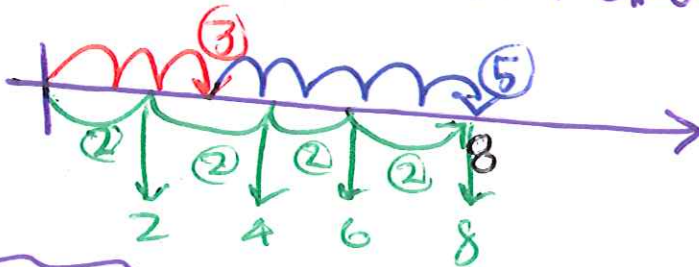
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3+5 CONTINUED ...

③ NUMBER LINES

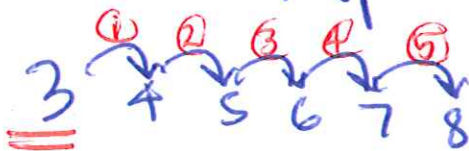


ONCE AGAIN WE CAN COUNT "Jumps" DIRECTLY OR IN CONVENIENT GROUPS BY "SKIP COUNTING"



SYMBOLIC

④ WE CAN USE NUMERACY, SUCH AS "COUNTING UP"



NUMERACY

FINAL ANSWER: 8