

Understanding number symbols



How do we know that children see numerals as number concepts?

***When do children see
everyday numerals with
cardinal meanings?***

*(referring to a number of
things)*

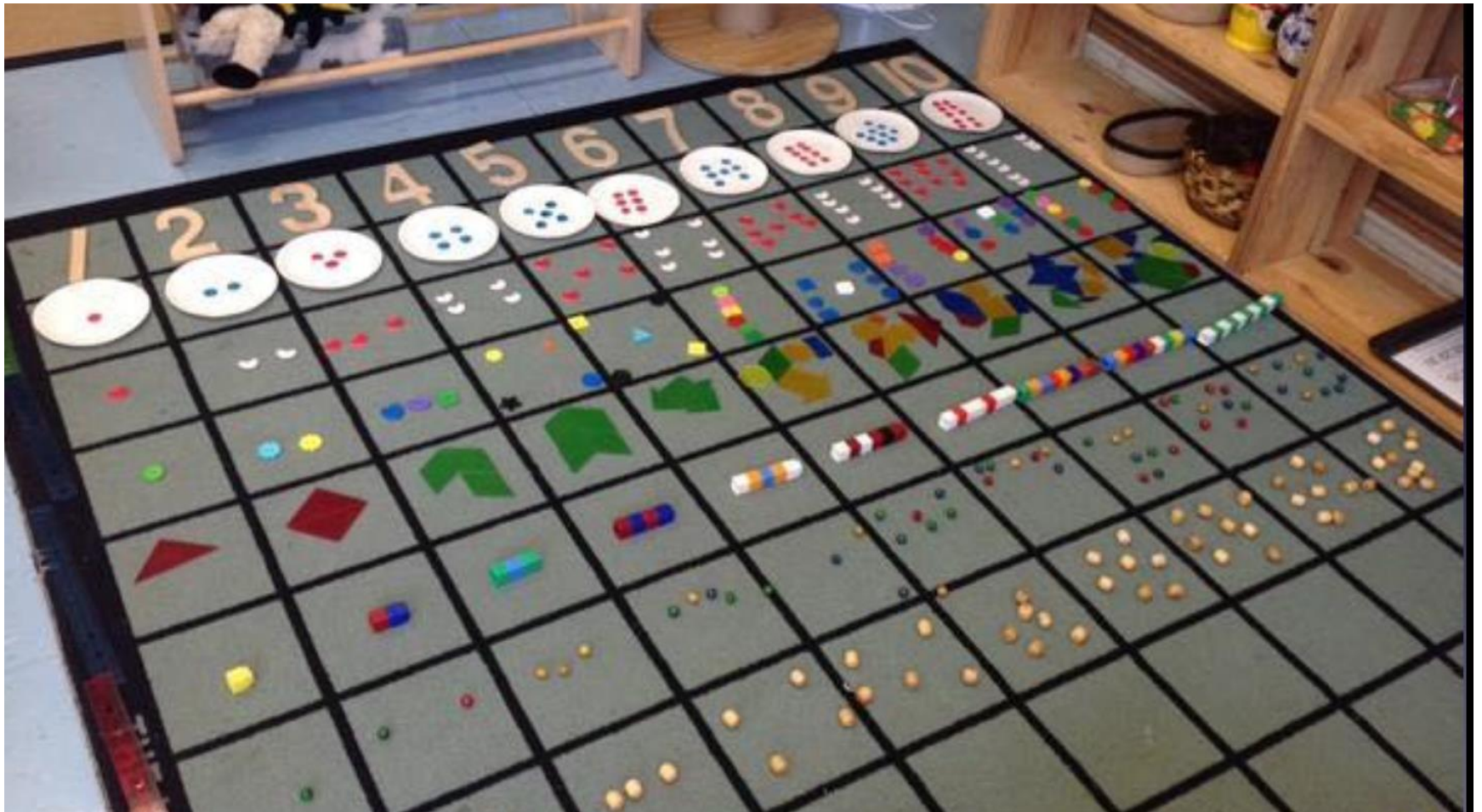
Numerals referring to numbers of objects are rare!



Cardinal and ordinal numbers



Numerals and cardinal values



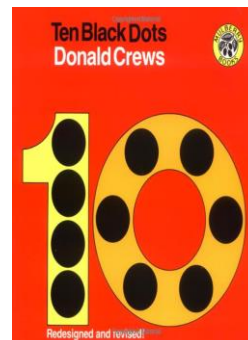
The cardinal meaning of numerals

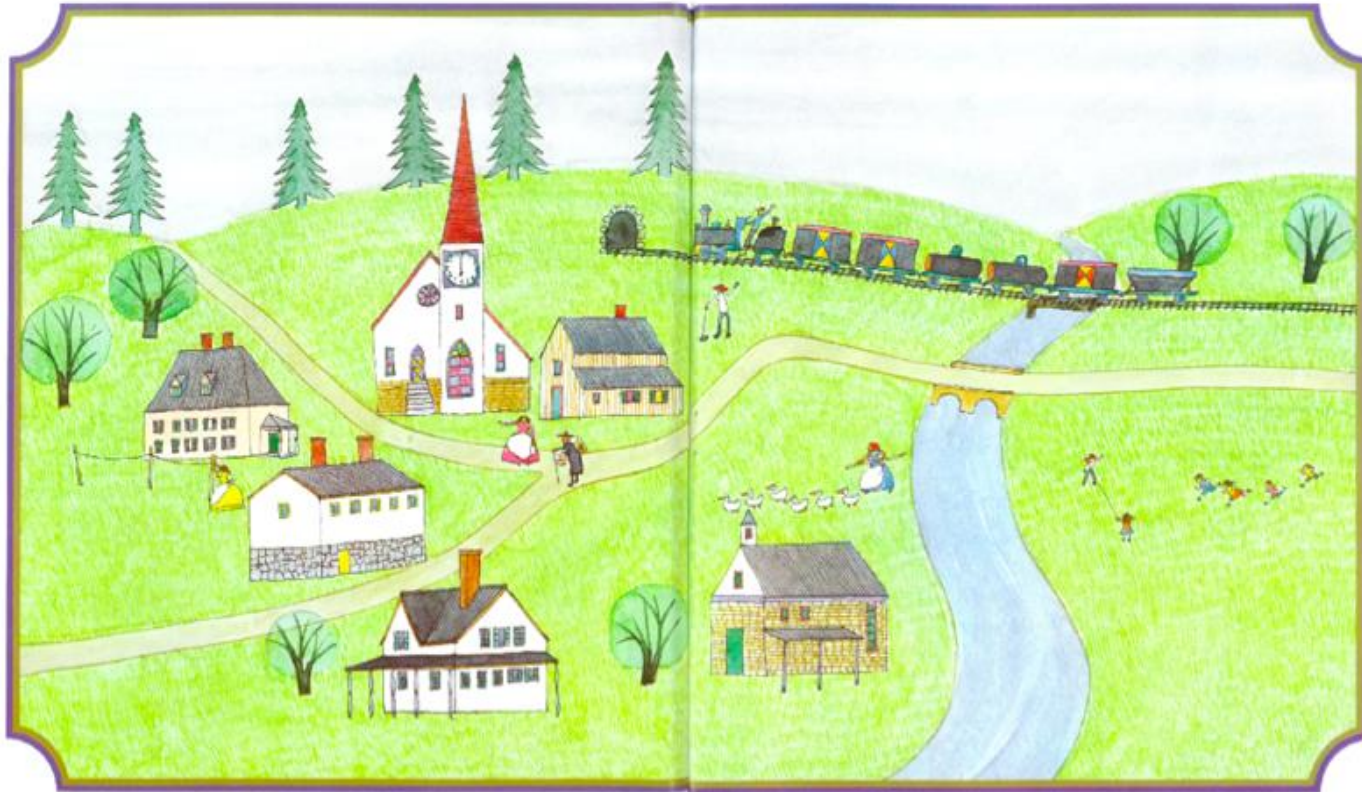
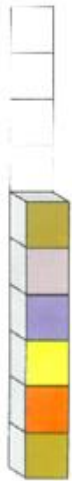
*When do children see
number symbols linked to numbers
of things
in your setting ?*

The cardinal meaning of numerals

number symbols linked to numbers of things

- tidy up labels
- recipes (with pictures)
- number books and rhymes
- numeral dice for games
- scoring goals etc
- others?





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Anno's Counting Book, Mitsumasa Anno



Numberblocks CBeebies BBC

Counting jumps



Individual spinner on lanyard

How might you record scores of outdoor target games?

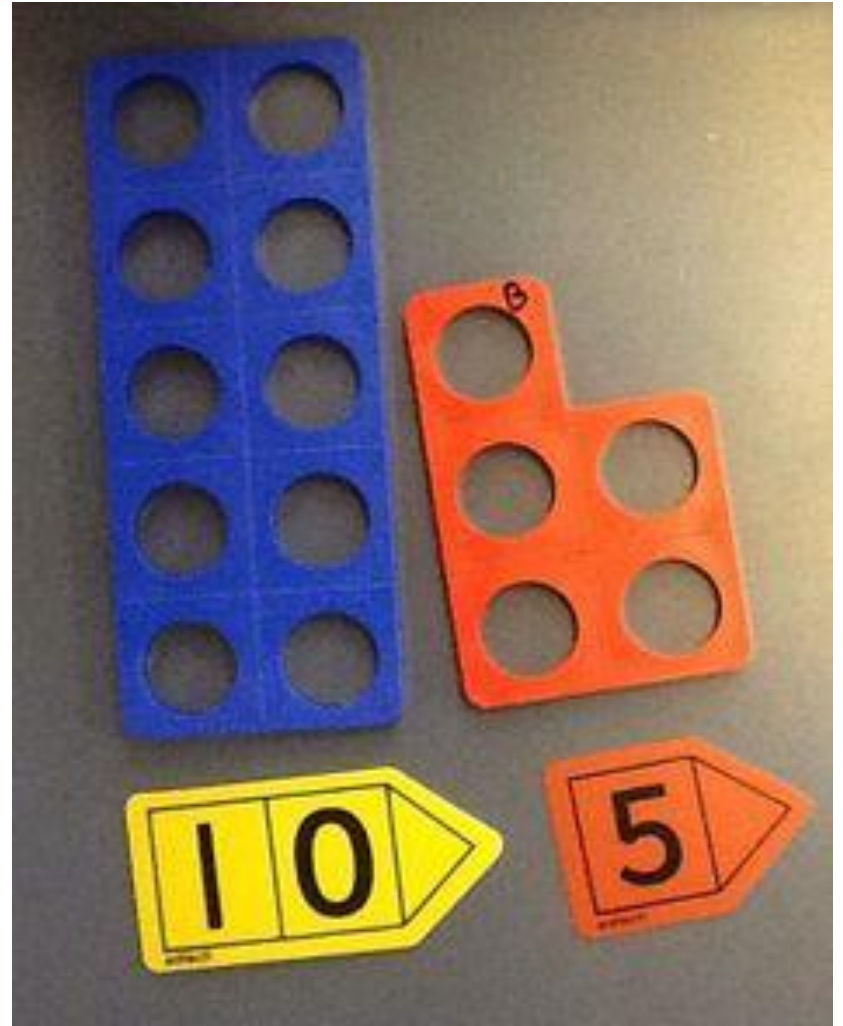


Tricky teens

15

51

50



Comparing numbers

Which is bigger 5 or 8?

'Which is bigger, 5 or 4?'

5/6 yrs:

High income - 96%

Low income - 18%

Gersten et al (2005)