Research has shown that number lines may be
conceptually too difficult for young chidren o ounder
stand and that educators should consider using num stand and that educators should consider using number
paths until a child is is 2nd grade (Fuson et.al., 2009). A number path is a counting model; the numbers are
defined by ecetangles. and each rectangle can be
counted. A number line is alengeth defined by rectangles, and each rectangle can be
counted. Anumber ine is alength moded like a ruler,
where the numbers are defned as their length from where the numbers are defined as theiril length from
zero. Number lines make it tificifult for young chidren
to see the units. On a number path the units are simple zero. Number li
to see the units.
to recognize.
Counting models should help build understanding and
fluency with ease. As a counting model, the 1-20 Counting models should help build understanding
fluency yith ease. As a counting odoll the 1-20
Number Path supports math goals, including the Number Path supports math goals, including the
development of fumber sesne, fluency w with small
numbers, subitizing, and making tens.

Sample Activities
 their number path that is (choose from the following): .10 more than 2
.4 more than 6 - less than 16

- greater than 12

Ask students to share their answer and tell the number sentence that makes it true. Using the pocket chart version
of the number path, follow along with the student's of the number path, follow along with the student's
explanation or have the student share on the ActivBoard.


Number Talk
Materials: Dot images
Briefly show the class a dot image of a number from 1 to 10 .
Assstudents todisuss
Briefly show the class a dot image of a number from 1 to 10.
Ask students to discuss how they knew or oressed the number.
Number of the Day
Choose a number for the day. Using the number path as a
Choose a number for the day. Using the
reference, ask:
.What is greater than our number?
-What is greater than our number?
What is less than our number?
What two numbers could represent our number?

