



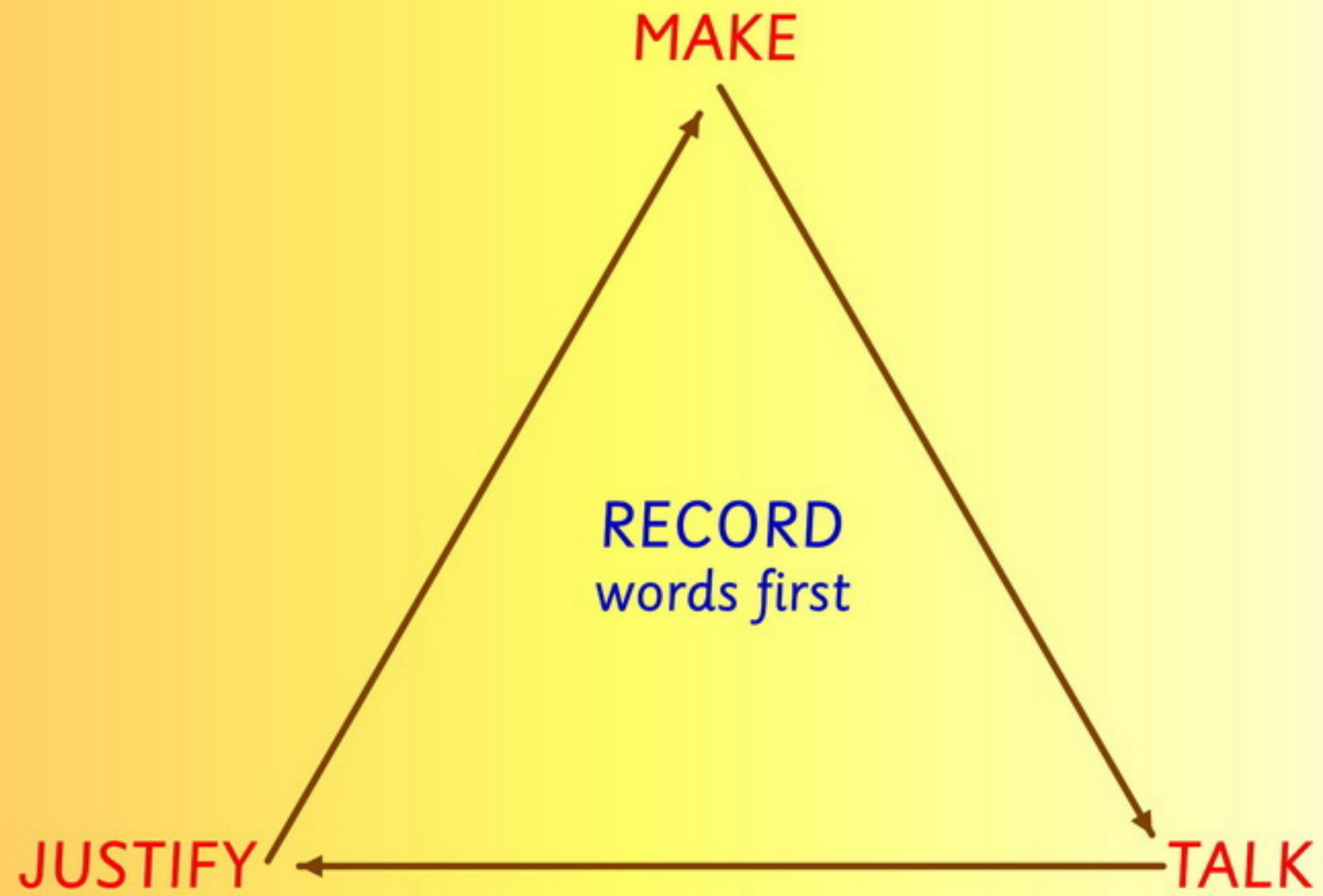
Learning Fractions with Picture Puzzles



Rod Mats/Rod Talks



Rod Mats/Rod Talks





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How do you know it's a ...th?

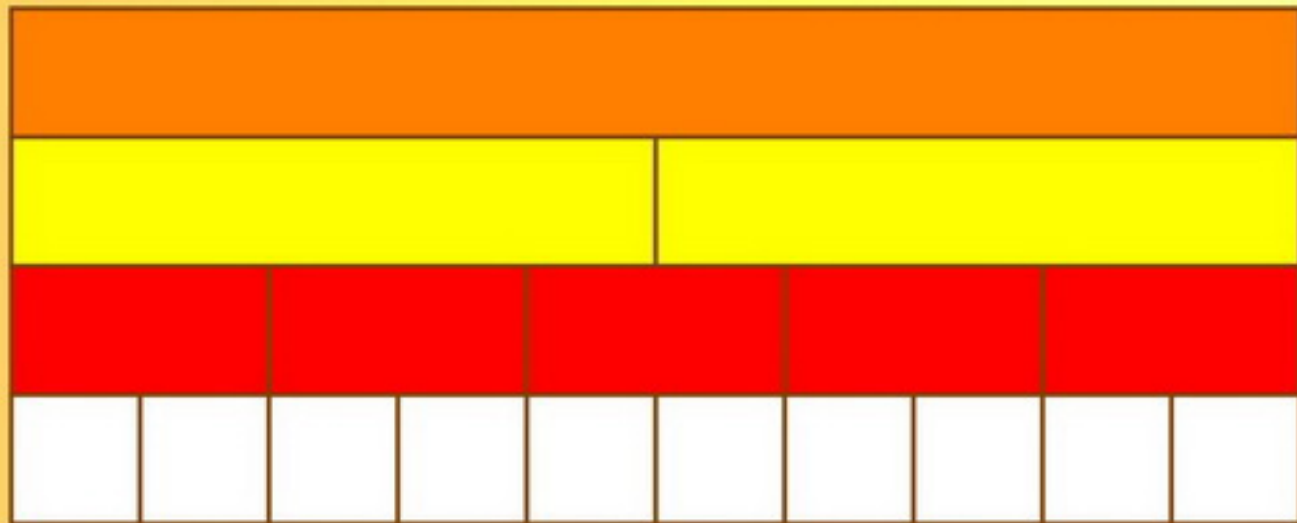
Because:

- I know what the whole is...
- The whole can be divided into equal parts...
- When I count the parts there are ..., so each of them is a ...th of the whole.



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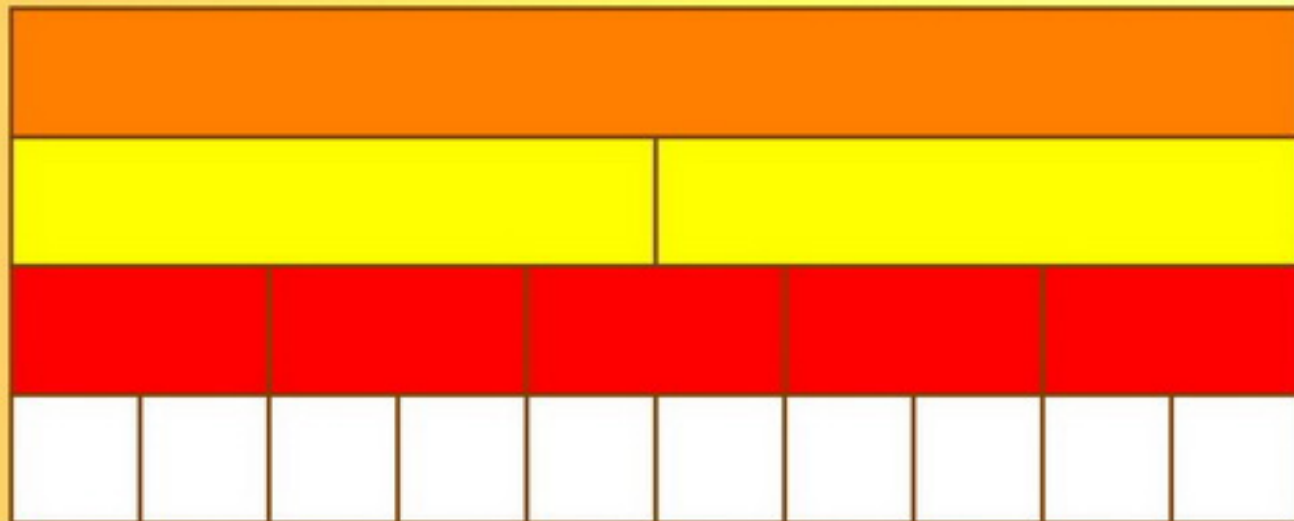
Orange is whole





Rod Mats/Rod Talks

Orange is whole



two tenths + one fifth + one half = nine tenths

one half - two fifths = one tenth

3 lots of two tenths = one whole - two fifths



Background



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- Screens motivate kids.
- So do many other things.
- Can we blend screen use with other learning features?
- One approach to work on all platforms and devices?



Realisations and Decisions



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- Concentrate on building brain pictures (visual learning).
- Present as a slide show.



Find your world of alternatives
to text-based learning at:

www.mathematicscentre.com



Curriculum Vision

invitation



modelling



skills





Seeking the Whole

Try these exercises with rods.

Hint: Look for the whole rod that will help.

In Ms. Smith's class

- $\frac{1}{4}$ are boys
- 18 are girls

How many students
in the class?

In a queue at the
airport

- $\frac{1}{2}$ are flying
to a holiday
- $\frac{1}{3}$ are flying
on business
- 36 are flying
home

How many people
in the queue?