summer workshops

Using Technology to Help Students Understand Pre-Algebra Concepts

Archived Information

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No Child LEFT BEHIND

Session Goals

- √ Examine how on-line applets can be used to improve students' understanding
- √ Navigate through Internet resource guides in order to find interactive math applets, Internet-based lesson plans, technology projects, and math links
- √ Explore technology tools that can be used to help students better comprehend pre-algebra concepts
- √ Share tools found on the Internet with other participants

Exploring Rational Numbers

Classroom Example..

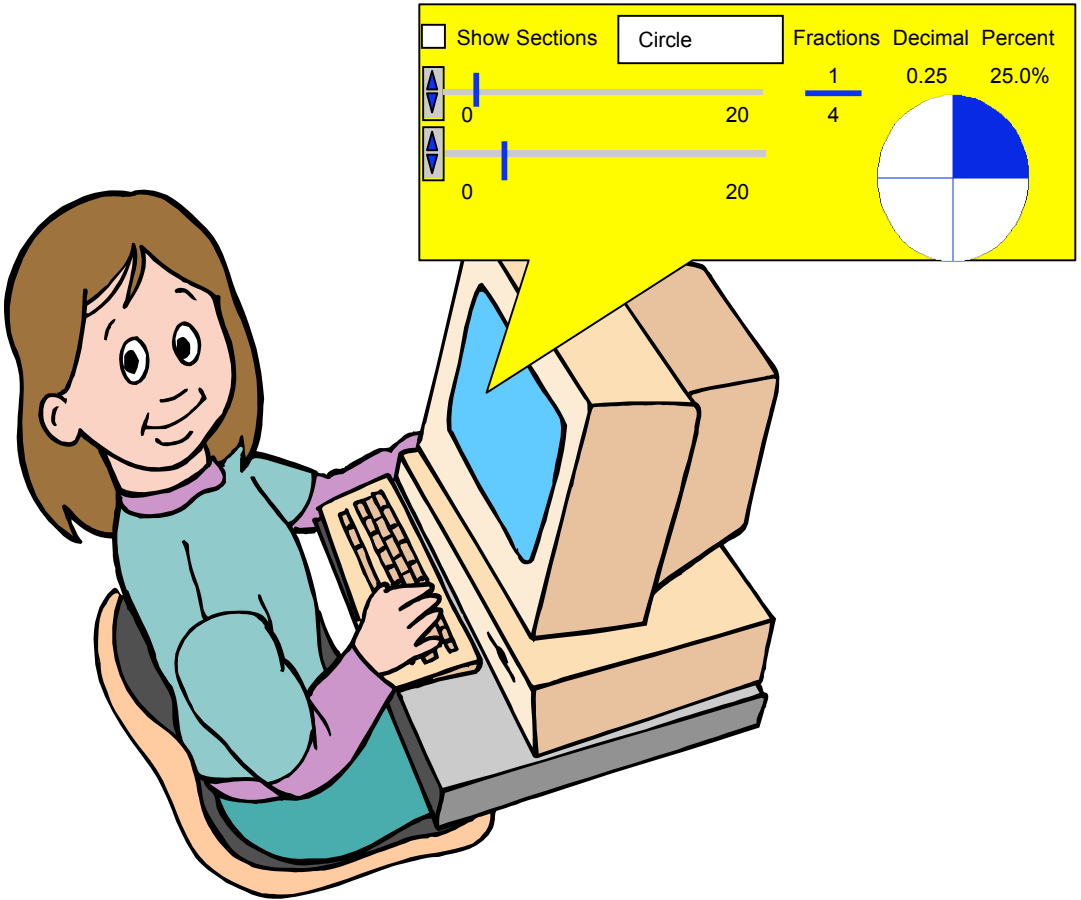
Fraction Model

Order the set of numbers from smallest to largest using the fraction model.

$\frac{8}{73}$	8%	16%	.024	$\frac{4}{24}$

Explain how you can determine which is smaller of $\frac{8}{73}$ and 8% using their

- decimal forms
- percent forms
- circle graphs
- fraction forms



More applets….

Resource Guides

For information, resources, technology tools, and links that support the teaching and learning of mathematics visit:

http://www.neirtec.org/math/

and

http://illuminations.nctm.org/

Focus Questions

1) Which website did you find most useful?

2) What source of information does it provide?

3) Describe how you could use the resource to help your students better understand pre-algebra concepts?

Next Steps

- Identify the technology available at your school
- Decide the most practical format to conduct the activity (i.e. classroom demo, computer lab, small workstations)
- Identify technical support/assistance you might need, if any
- Start simple
- Have fun learning! Your students sure will.