

ABSTRACT

Math TACTivities provide students with an understanding about math topics by engaging them through hands-on experiences. These **TACTivities provide a great opportunity for** students to work together to understand and solve problems.

Why TACTivities?

- Provides students with hands-on experience
- Promotes student engagement
- Creates excitement about math
- Highlights features of a topic
- Emphasizes that math is fun
- Relates math with the physical world
- Develops teamwork
- Enhances problem solving skills
- Allows students to draw their own conclusions
- Motivates students to learn math
- Requires multiple perspective thinking of the problem
- Encourages out of the box thinking

IN CLASS RESULTS: Percent TACTivity

871/2 %	3/8	0.75
1/4	621/2 %	0.125
0.375	50 %	1/8
25 %	7/8	0.3333
75 %	0.25	2/3
1/3	371/2 %	0.625
0.875	5/8	662/3 %
3/4	331/3 %	0.5
0.6666	1/2	121/2 %

Students were given the above sheet of unordered fractions, percents, and decimals. After cutting and matching the equivalent values they were instructed to order the matches least to greatest on a chart. This was used to assist the students in answering percentbased word problems. The goal was to connect the word problem solutions to the corresponding values on the chart.

Math TACTivities for Elementary Educators Kailyn Cipoletti

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IN CLASS RESULTS: Fraction TACTivity

Description: Students were given a sheet of fraction bars and instructed to rip them into 1 whole, 2 halves, 3 thirds, 4 fourths, 5 fifths, and 6 sixths. Students completed a variety of activities using their fraction bars as visuals to understand equivalencies and values. Some examples are shown below.



. Students were instructed to use the fraction bars to show certain amounts, such as how many

> 3. 19/20 _____ 23/24 4. 1/6 _____ 1/4

2. Students were given a list of fractions to compare using symbols (e.g., <, >, =). A few comparisons are

9	<u>18</u>	20	27
24	22	18	72

3. Students were given a strip of fractions, as shown above, and instructed to order them least to greatest.

STUDENT RESPONSES

Question: What topic/lesson did you find most

"The fraction bar TACTivity."

"Using TACTivities, like fraction bars, to understand our chapter...I'm a visual learner."

"Any lesson with fractions because we got to cut out pieces to physically see how to manipulate fractions."

"The topics that involved hands-on projects, like dealing with fractions."

"The TACTivities, such as fractions and percents, that provided hands-on collaborative work."