

Fact Family Trees



Fact families are a set of numbers that you can use to make multiplication and division number sentences or addition and subtraction number sentences. Fact families help you understand how multiplication and division are related and how addition and subtraction are related. We are going to focus on multiplication and division for this project.

Materials:

Various art supplies (construction paper, glue, markers, crayons etc.)

Directions:

1. Cut out 4 tree trunks and 4 tree tops from construction paper.
2. Create 4 different multiplication sentences, one for each tree. (Ex. $3 \times 4 = 12$)
3. Take those 3 numbers and write them in the trunk of your tree. (ex. 3, 4, 12)
4. Write the 4 related facts in the tree top (Ex. $3 \times 4 = 12$, $4 \times 3 = 12$, $12 \div 4 = 3$, $12 \div 3 = 4$)
5. Do this for all 4 trees using different facts.
6. Glue these 4 trees to one big piece of construction paper.
7. Using one number sentence from each tree, create a word problem that would go along with your expression. (Ex. The squirrel made 4 groups with 3 acorns in each group. How many acorns does the squirrel have all together?)
8. Add details to your picture to create a setting. (A park, a playground, a forest...)