



Technology Integration Lesson

Plainville Community Schools

LESSON TITLE: Fact Families

GRADE: Three

OBJECTIVE: Students will use Kidspiration to illustrate multiplication/division fact families.

CURRICULUM CONNECTION:

2.2 Begins to master multiplication and division facts to tens table

2.3 Multiplies and divides by 2, 5 and 10

MATERIALS: Kidspiration, computer, printer, SmartBoard if available to demonstrate

Note: Prior to entering lab you may wish to pass out index cards with fact family numbers for each student to use.

PROCEDURE: (Read to students)

1. Today we're going to use Kidspiration to create multiplication and division fact families.
2. Find Kidspiration on your dock, click on it one time.
3. Click on the add name symbol and type your name. Click OK.
4. Delete the text in the main idea symbol.
5. Type the fact family numbers I gave you, putting the two smaller numbers on the first line, with four spaces between them. Hit the return key and put the bigger number on the second line. *Note: You may wish to show them this on the SmartBoard.*
6. Click the blue create symbol button four times.
7. In two of the symbols type the multiplication problems that can be made using these numbers.
8. In the other two symbols type the division problems that can be made using these numbers.
9. Draw a big box around your symbols and move them to the top left area of your document.
10. Click your mouse to the right of those symbols. Click the circle symbol button to place a new symbol on your document. Now add four linked symbols from that, and type in your next fact family. Do the same thing two more times below it for your last two fact families.
11. Now it's time to save. Click on file, select save.
12. Make sure you are in your documents folder (or other selected location)
13. Name your document fact family.
14. Click Save.
15. Now we'll print. Click on file, select print, and click the blue print button.

EVALUATION: Teacher created rubric, teacher observation, or teacher correction of final product.



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EXTENSION: Students write a story problem to go with one of their fact family numbers. This can be done prior to printing by adding a square symbol below the fact family picture, and typing it, or it can be done with a pencil on the printed product. Students can be encouraged to use descriptive writing.

EXAMPLE:

