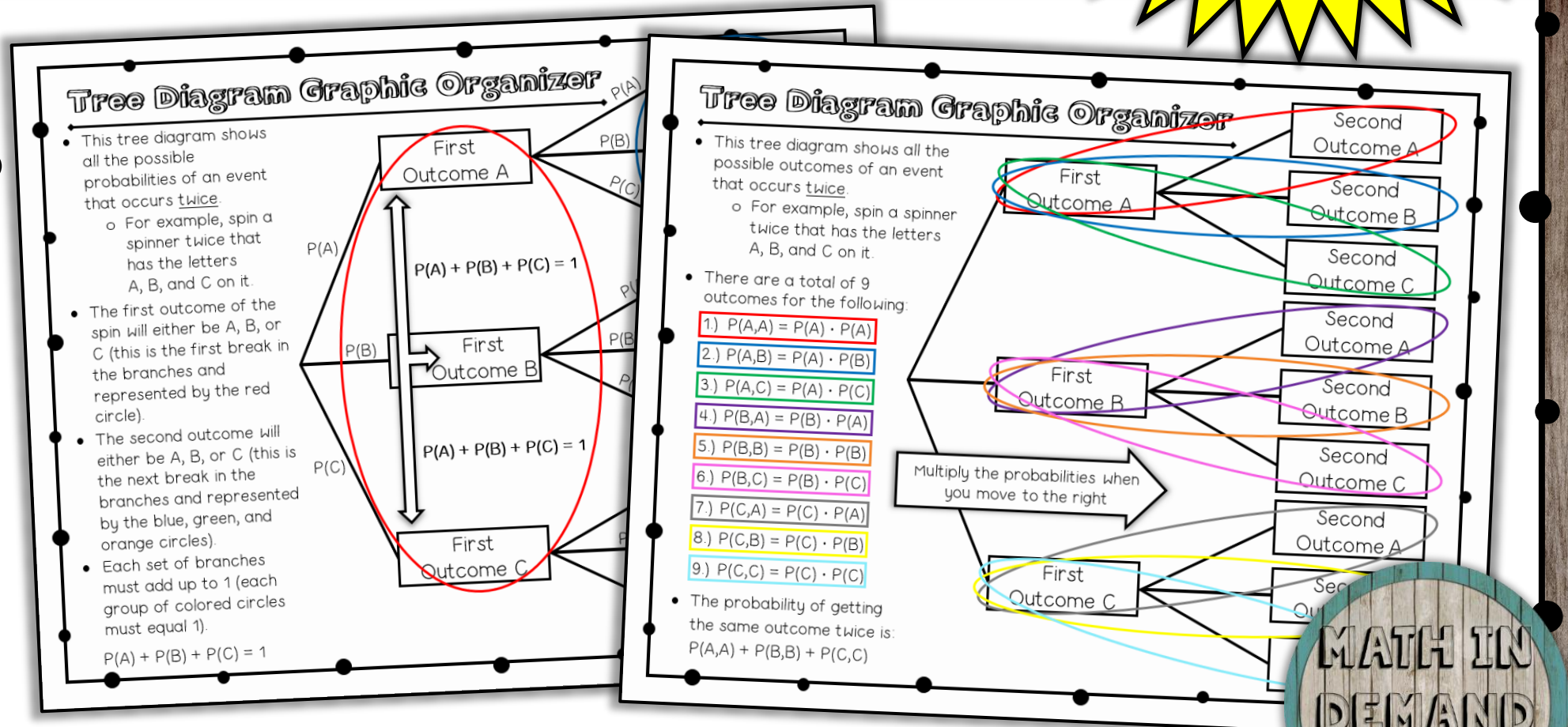
Tree Diagram
Graphic Organizer

Laminate or hang on bulletin board!



Also Perfect for Interactive Notebooks!

MATH IN DEMAND

Get Connected with Math in Demand

Please check out my blog to download freebies, see pictures of my classroom, and learn new strategies that can be used in the classroom!

THANK YOU!!!

Click the buttons to see my Teachers Pay Teachers store or check out my social media!

I sincerely hope that you love my activity. Please don't forget to rate me and look through my store for other amazing activities!

Math in Demand

Teacher Notes

- There are many ways that you can use my graphic organizer in your classroom:
    1. If you use as a handheld study tool, print both pages back to back and laminate.
    2. If you use in notebooks, print each page separately and have students glue both pages in their notebooks.
    3. You can decide which version you want to print:
        - Version 1 (Pages 5 and 6) – Information is already filled in
        - Version 2 (Pages 8 and 9) – Have students fill in the graphic organizer (I like to project version 1 on the board and let students fill in their graphic organizer; also students need markers or colored pencils)
- If you have any questions or concerns, please email me at mathindemand@hotmail.com.

Version 1 (Pages 5-6)

- Already Filled in

- You can print and laminate for each student (or group to save paper)

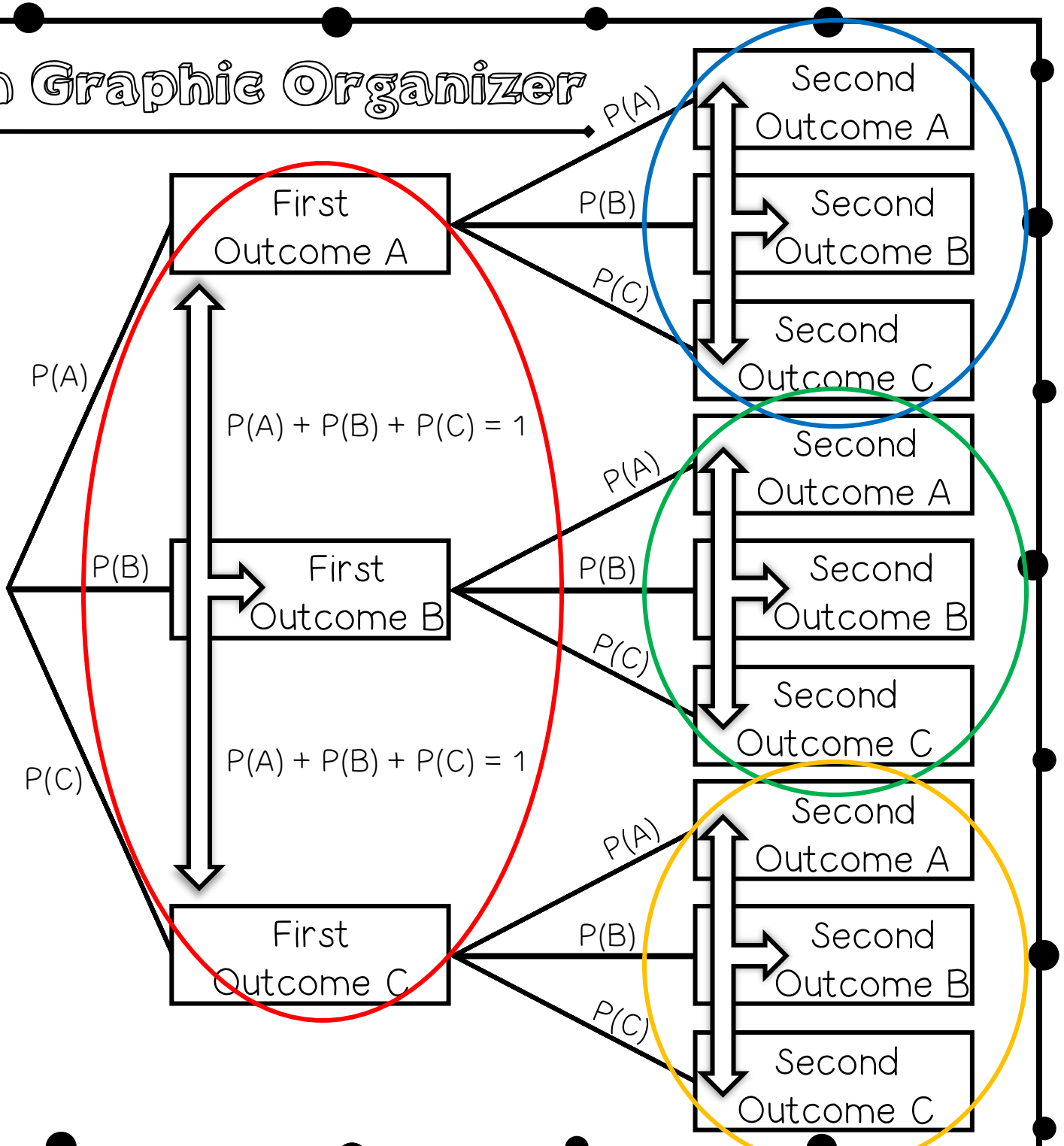
- You can print and have students glue it in their math interactive notebooks

- You can print, laminate, and hang in your classroom

Tree Diagram Graphic Organizer

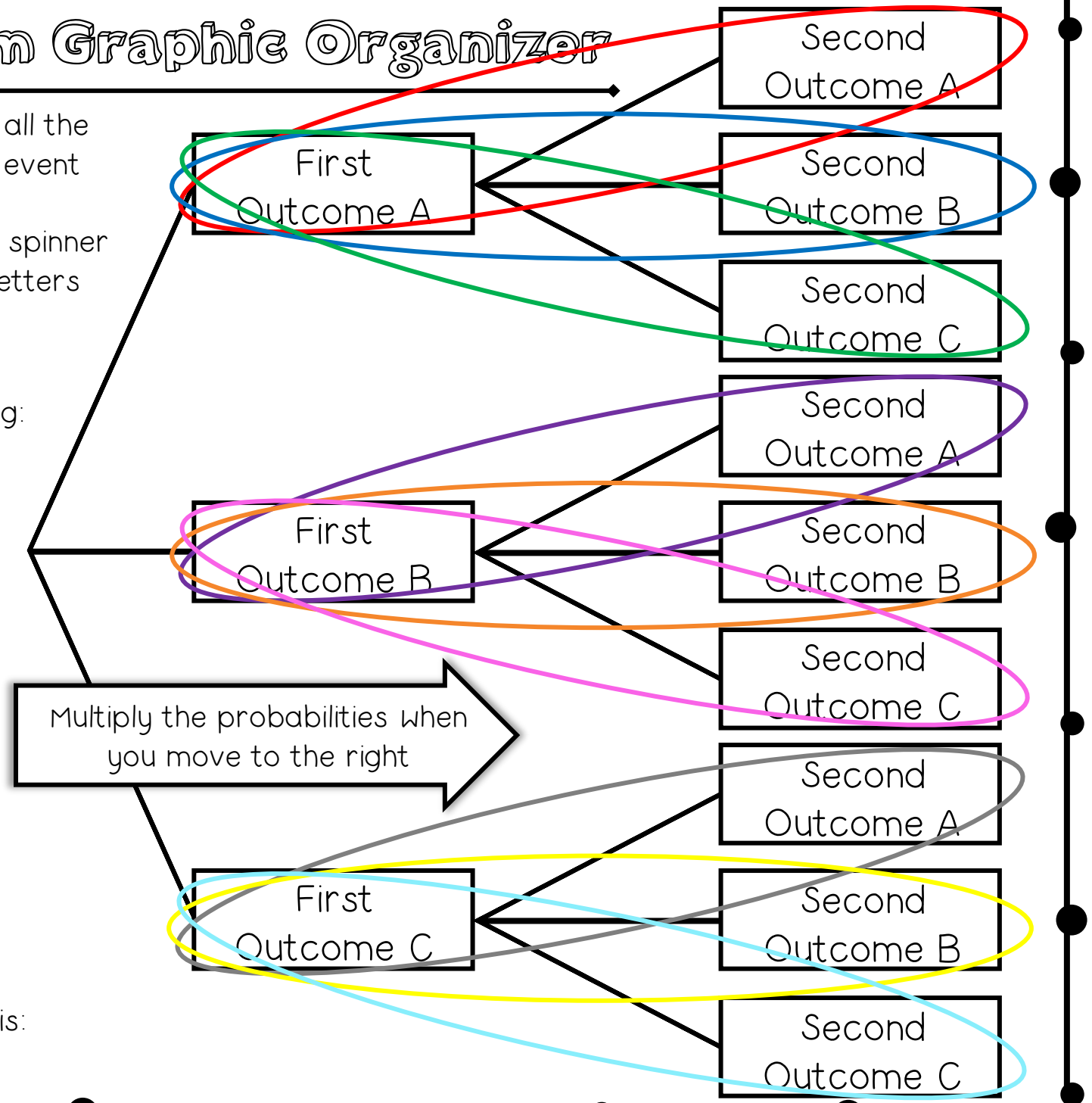
- This tree diagram shows all the possible probabilities of an event that occurs twice.
  - For example, spin a spinner twice that has the letters A, B, and C on it.
- The first outcome of the spin will either be A, B, or C (this is the first break in the branches and represented by the red circle).
- The second outcome will either be A, B, or C (this is the next break in the branches and represented by the blue, green, and orange circles).
- Each set of branches must add up to 1 (each group of colored circles must equal 1).

$P(A) + P(B) + P(C) = 1$



Tree Diagram Graphic Organizer

- This tree diagram shows all the possible outcomes of an event that occurs twice.
  - For example, spin a spinner twice that has the letters A, B, and C on it.
- There are a total of 9 outcomes for the following:
  1. $P(A,A) = P(A) \cdot P(A)$
  2. $P(A,B) = P(A) \cdot P(B)$
  3. $P(A,C) = P(A) \cdot P(C)$
  4. $P(B,A) = P(B) \cdot P(A)$
  5. $P(B,B) = P(B) \cdot P(B)$
  6. $P(B,C) = P(B) \cdot P(C)$
  7. $P(C,A) = P(C) \cdot P(A)$
  8. $P(C,B) = P(C) \cdot P(B)$
  9. $P(C,C) = P(C) \cdot P(C)$
- The probability of getting the same outcome twice is: $P(A,A) + P(B,B) + P(C,C)$



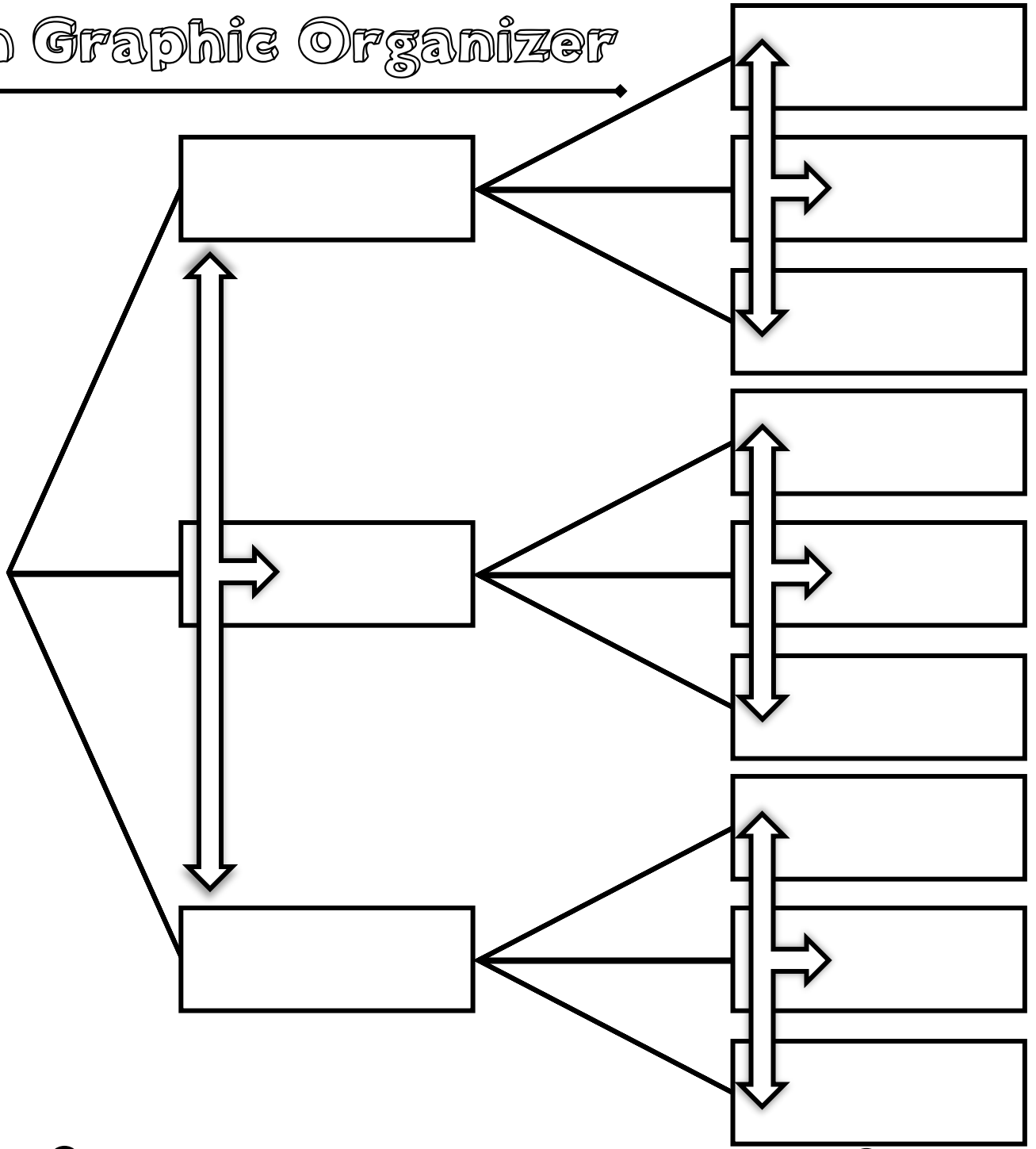
Version 2 (Pages 8-9)

- Blank Template

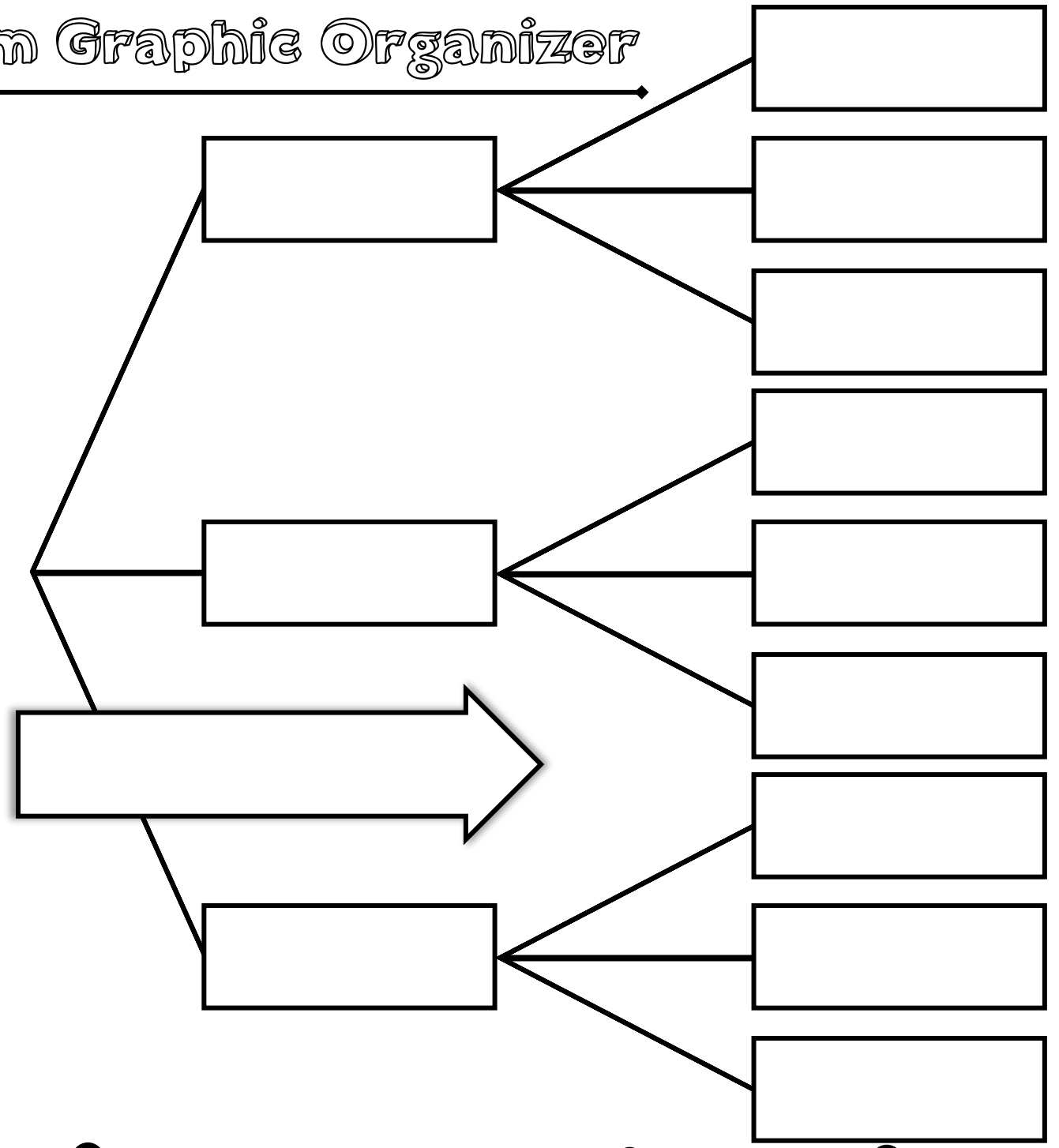
- You can project version 1 on the board and have students fill in their blank graphic organizer using the answer key from version 1.

- Have students color-code by using colored pencils or markers!

Tree Diagram Graphic Organizer

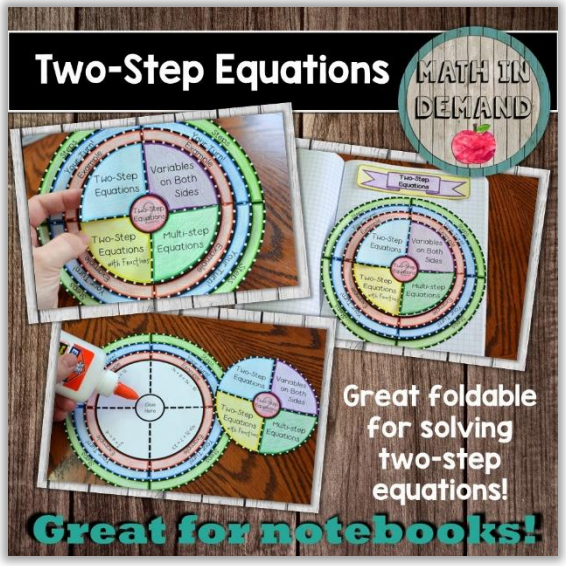


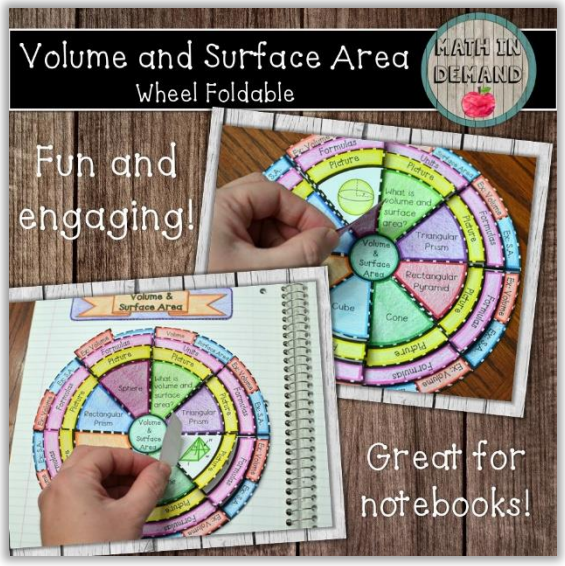
Tree Diagram Graphic Organizer



Recommendations

Love my graphic organizer and want to check out other resources?





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