

For the regular version of Mosaics, visit jrmf.org/puzzle/Mosaics and click on “Festival Guide”.

What does “beginner version” mean?

This version of Mosaics was created with PreK - 2nd grade students in mind.

However, “beginner” does not mean “easy,” and this version of Mosaics can be an effective way to engage students of any age who:

- Have strong math anxieties
- Don’t feel confident with math or math puzzles
- Have learning differences
- Want a gentler start to the activity

Older students and parents at our events often engage with this beginner version and move on to the regular version when they feel ready.

When should I use the beginner version of Mosaics?

We recommend using the beginner version of Mosaics whenever you expect younger students (PreK - 2nd grade) to be present at your event.

Sometimes, we will have both the beginner and regular versions of the activity available as both are designed to use the same manipulatives. The differences between the two versions are in the student handouts. If you ever need to switch from one version to the other, you only need to swap out the instruction sheets and puzzle sheets for the activity.

How do I use the beginner version of Mosaics?

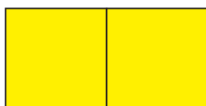
1. **Only Younger Students** - Only put out the beginner version of the activity. You can also set aside one or two copies of the regular version for students who want an extra challenge.
2. **Younger Students followed by Older Students** - Start by setting up the beginner version of the activity. Instruct volunteers at the table to swap out the instruction and puzzle sheets when the younger students leave.
3. **Mixed Age Group** - Set up half the table with the beginner version and the other half with the regular version of the activity. For younger students, volunteers should start them on the beginner version. For older students, volunteers should tell them that there is a beginner and regular version, and then let them pick where they want to start.

Mosaics Instructions (Beginner Version)

Rules:

- Cover each square with a colored tile.
- The top of each page tells you how many of each color to use.
- Above each puzzle, there are one or two extra rules. Here are some examples:

Example 1



Every yellow needs
to touch a yellow.

Example 2



Yellows cannot
touch.

Example 3

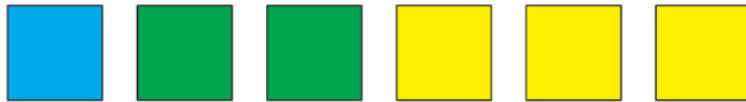


Every green needs to touch
a blue, and every blue needs
to touch a green.

Mosaics



For each puzzle, you need to use **1 blue**, **2 greens**, and **3 yellows**. **BEGINNER**



Puzzle 1



Puzzle 2



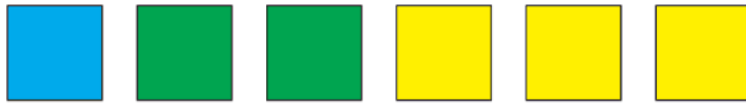
Puzzle 3



Mosaics



For each puzzle, you need to use **1 blue**, **2 greens**, and **3 yellows**. **BEGINNER**



Puzzle 4



Puzzle 5



Puzzle 6



Mosaics

For each puzzle, you need to use **the same number** of blues and greens.



You can use as many yellows as you want.

Puzzle 7



Puzzle 8



Puzzle 9



Mosaics

For each puzzle, you need to use **the same number** of blues and greens.



You can use as many yellows as you want.

Puzzle 10



Puzzle 11



Puzzle 12

