Geometric #1 Bracelet

By Alpine

Difficulty: Advanced
Time: 5+ Hours

Materials:

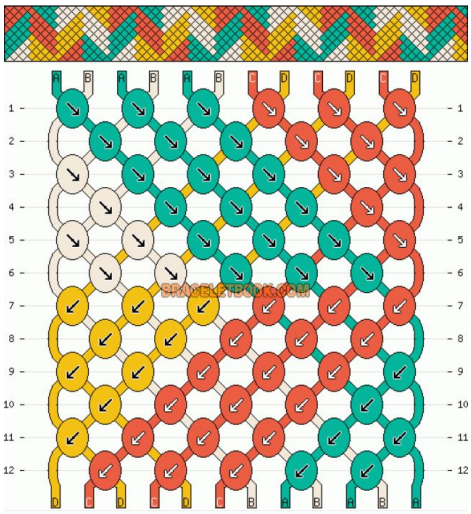
- 4 colors 3 strings each:
  - 1 string of each color about 15 inches
  - 2 strings of each color about 40 inches
- Scissors
- Optional: Tape or Safety Pin to hold bracelet in place while working

Knots You Need to Know:

- Full Forward Knot
- Full Backward Knot

Notes:

- Remember each line alternates between using the first and last string.



Geometric #1 Bracelet Instructions 2

Full Forward Knot Instructions 35

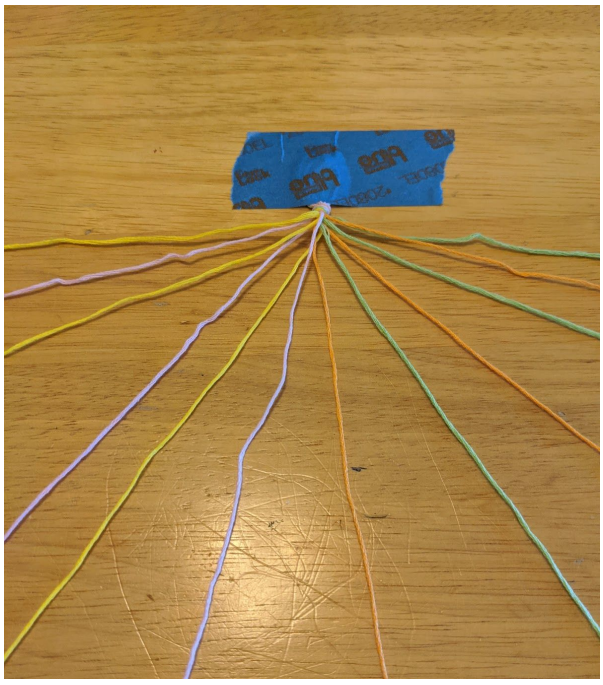
Full Backward Knot Instructions 39

How to Read a Bracelet Pattern 42

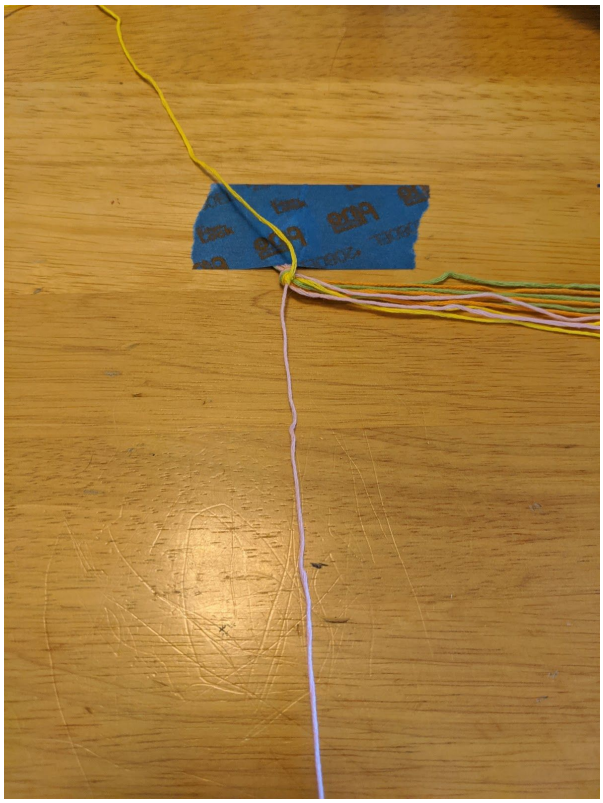
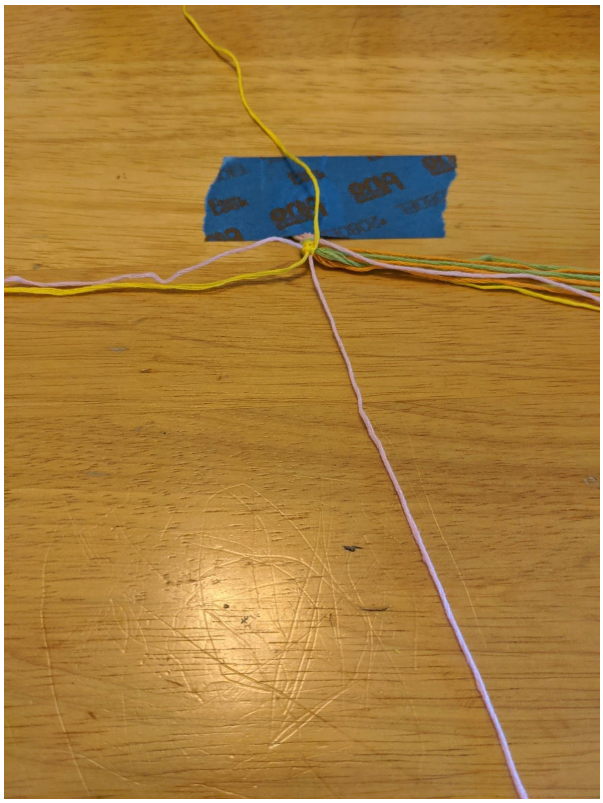
Geometric #1 Bracelet Instructions:

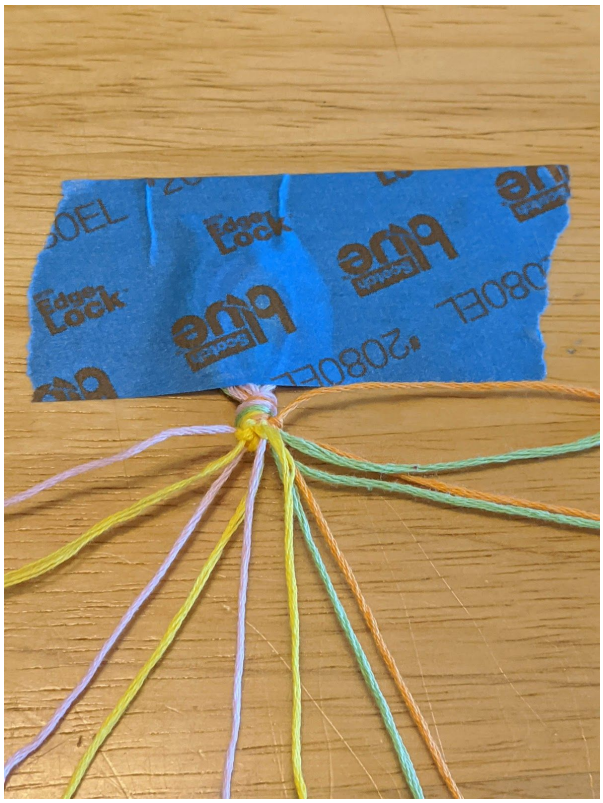
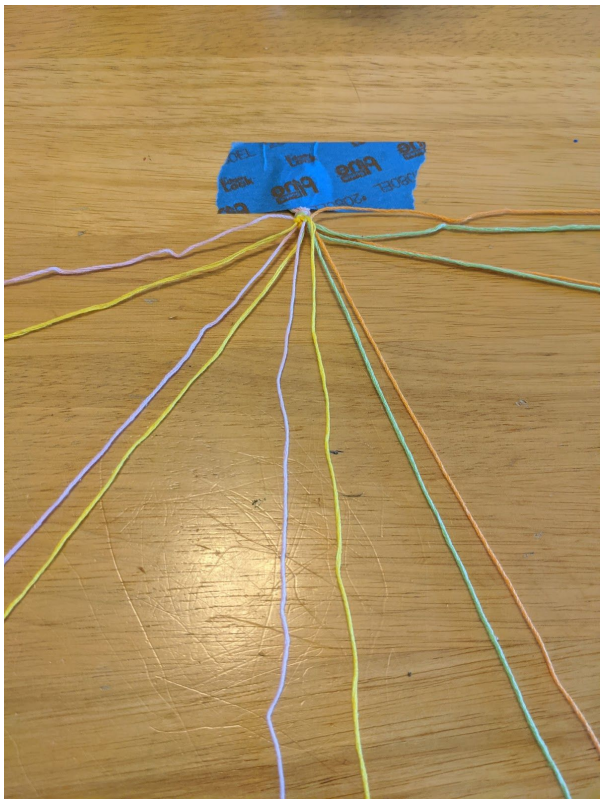
Bracelet Set Up

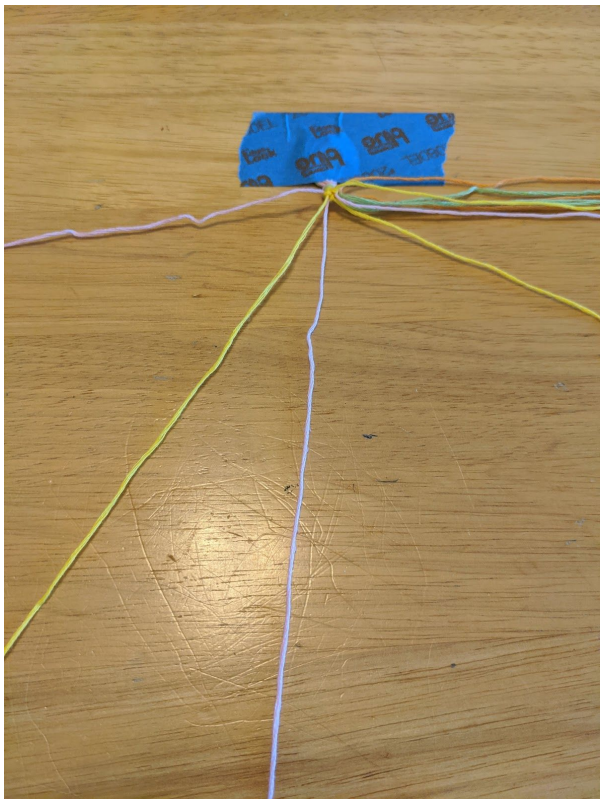
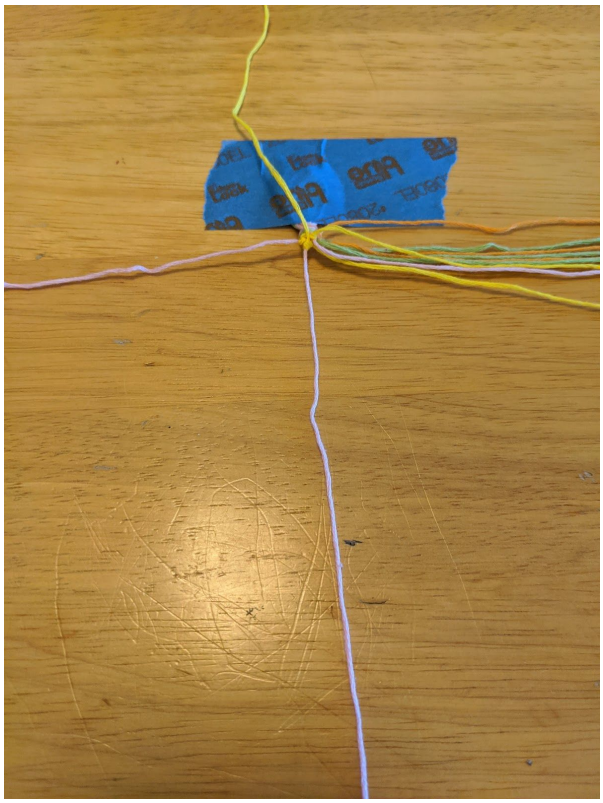
1. Fold your 40 inch strings in half to form a bend.	

2. Add your 15 inch strings and tie all of the strings together in a knot about 1 inch from the top of the bend to create a loop.	
3. Organize your strings in the following order: 1,2,1,2,1,2,3,4,3,4,3,4 a. For the example it will be Yellow, Pink, Yellow, Pink, Yellow, Pink, Orange, Green, Orange, Green, Orange, Green	

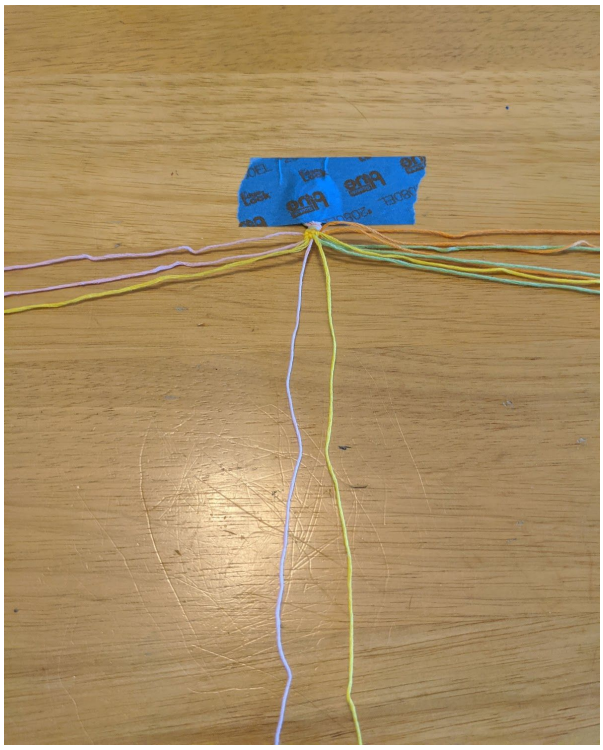
Rows 1 - 6

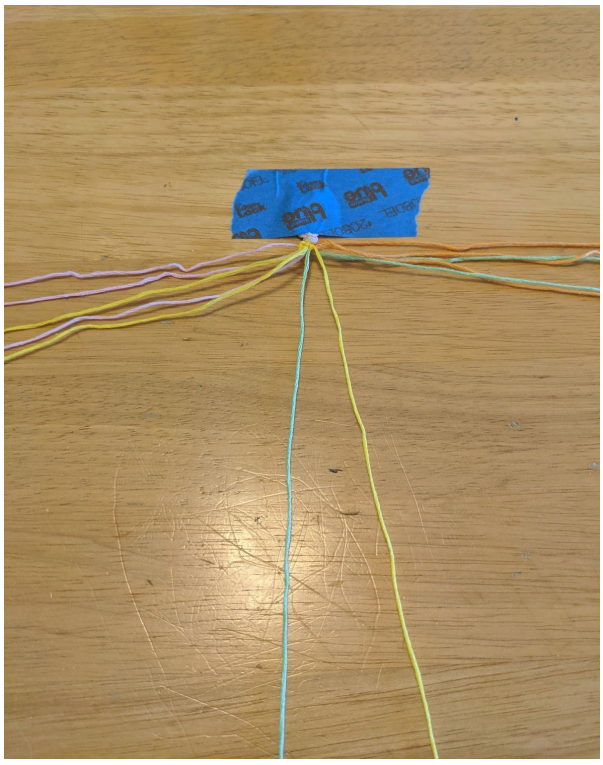
4. Take the first two strings (1 & 2, or ex. Yellow & Pink) and tie a full forward knot. a. See page on how to do a full forward knot.	
5. Take the next two strings (same colors, second set) and tie a full forward knot.	

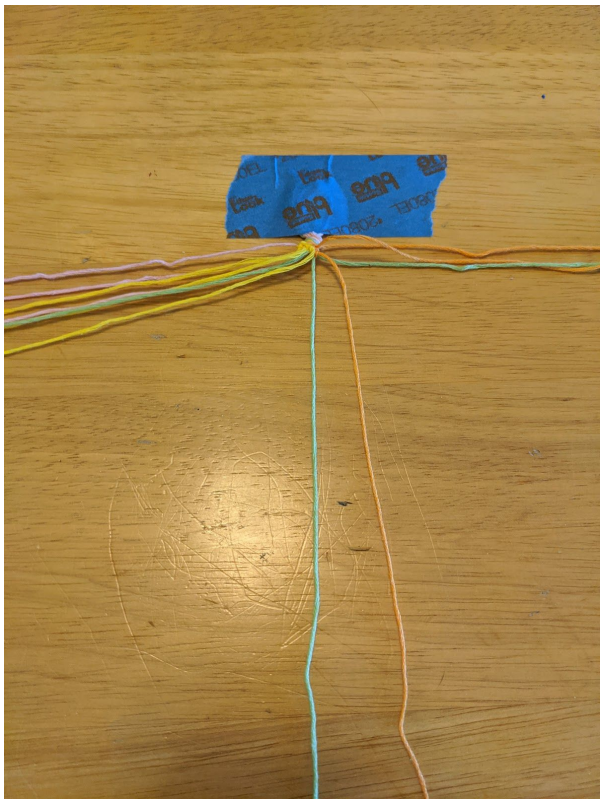
6. Continue with each pair down the row tying full forward knots, for a total of 6 knots. a. This first row will be the most difficult. It probably won't look like a row when you tie it because they are all individual knots. Try to keep your strings in the same order the whole time. This will help with completing row two easier.	
7. Your string order should now be 2,1,2,1,2,1,4,3,4,3,4,3 a. Ex. Pink, Yellow, Pink, Yellow, Pink, Yellow, Green, Orange, Green, Orange, Green, Orange.	

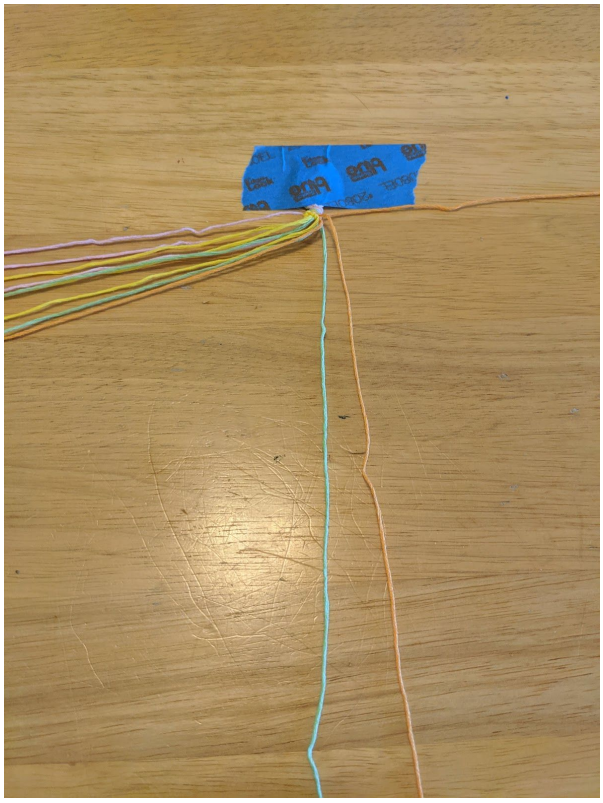
8. Move back to the first two strings (2 & 1, or ex. Pink & Yellow) and set the outer most string aside (2 or ex. Pink). This string will not be used to tie a knot in this row.	
9. Take the next two strings (1 & 2, or ex. Yellow & Pink) and tie a full forward knot.	

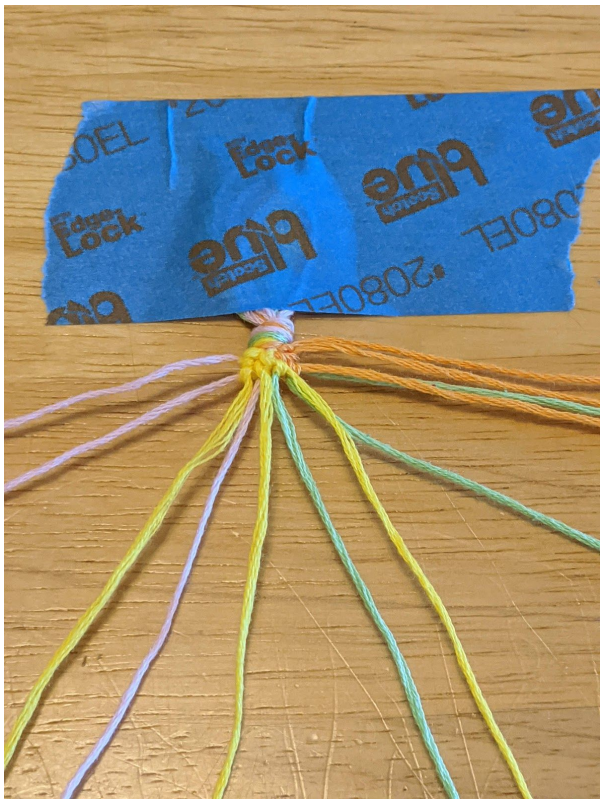
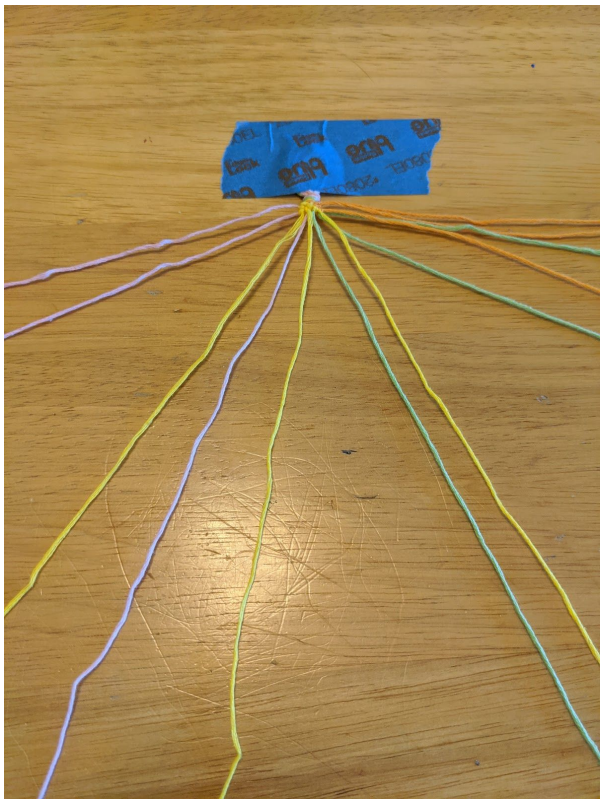
10. Continue with each following pair down the row tying full forward knots, for a total of 5 knots. You will not use the last string (3, or ex. Orange) to tie a knot.

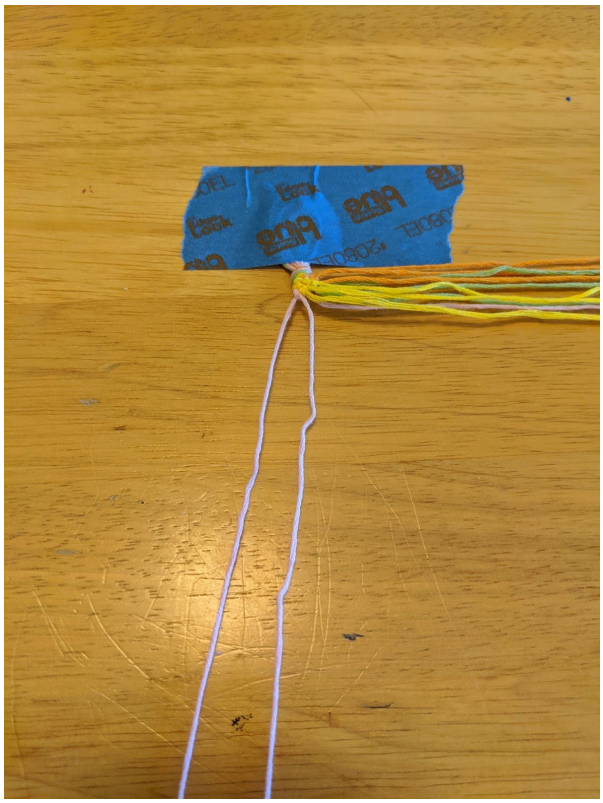
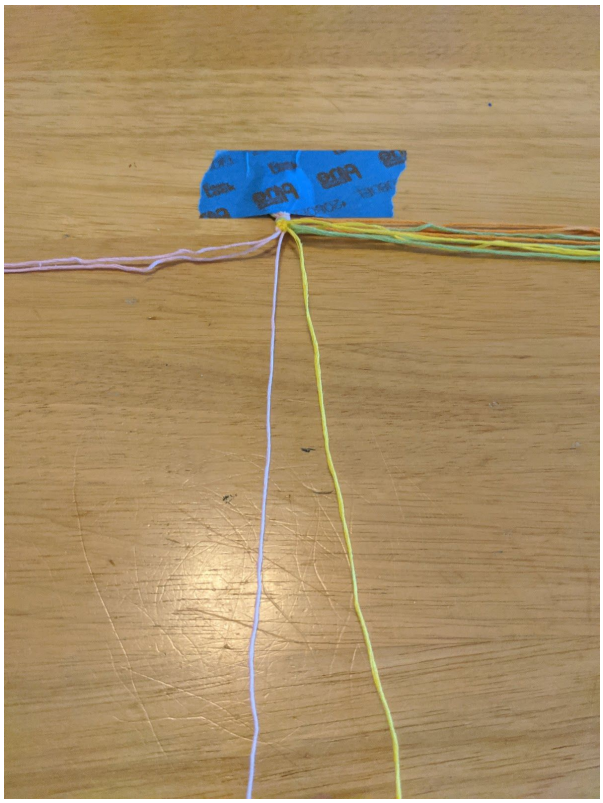


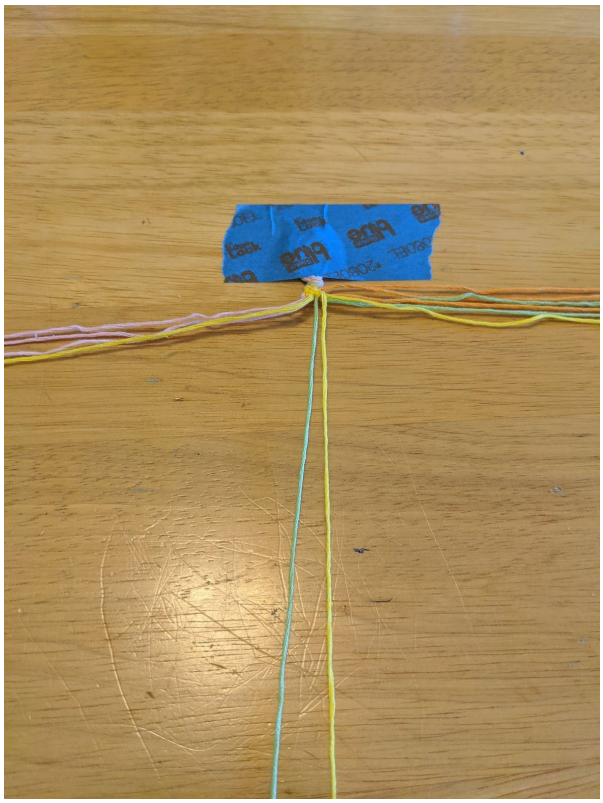


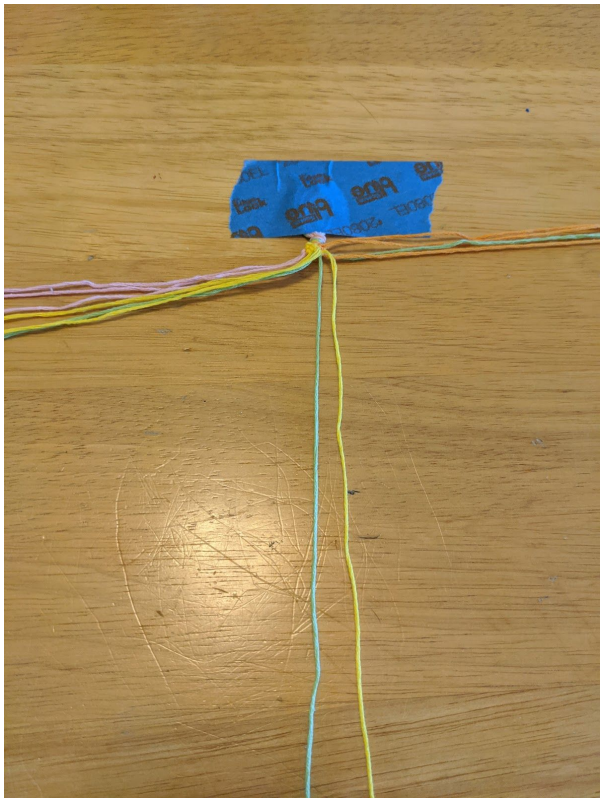


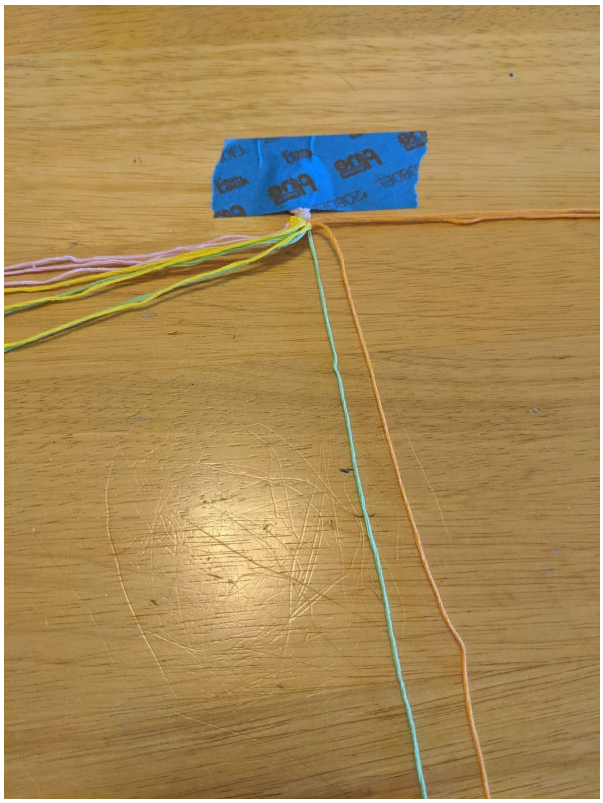


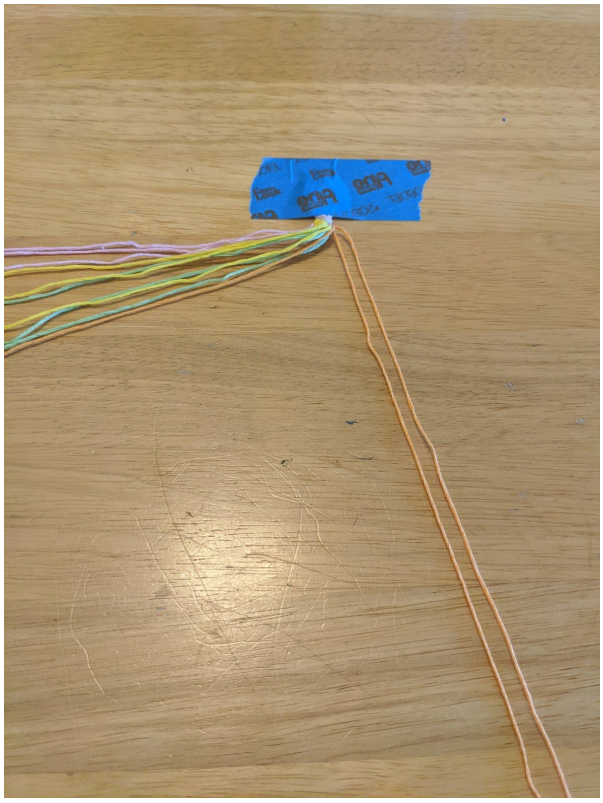
	
11. Your string order should now be 2,2,1,2,1,4,1,4,3,4,3,3 a. Ex. Pink, Pink, Yellow, Pink, Yellow, Green, Yellow, Green, Orange, Green, Orange, Orange.	

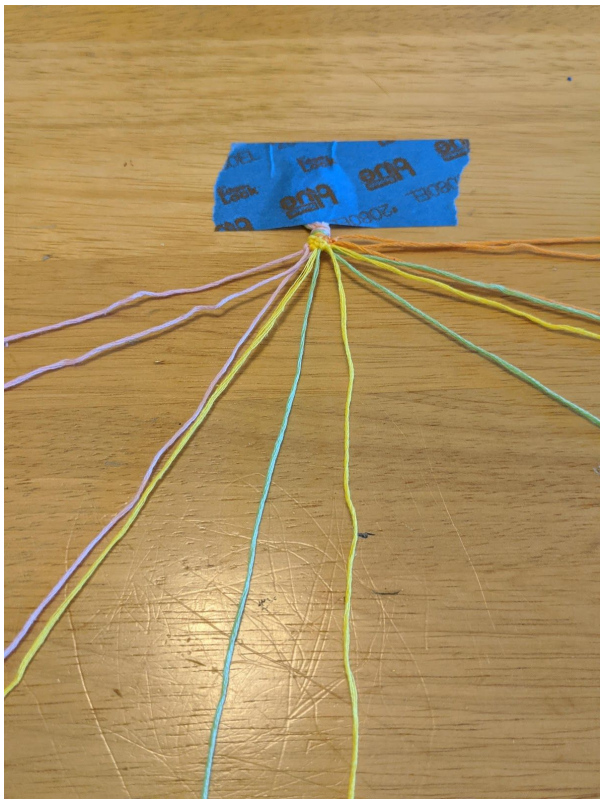
12. Moving back to the first two strings (2 & 2, or ex. Pink & Pink) tie a full forward knot.	
13. Continue with each pair down the row tying full forward knots, for a total of 6 knots.	



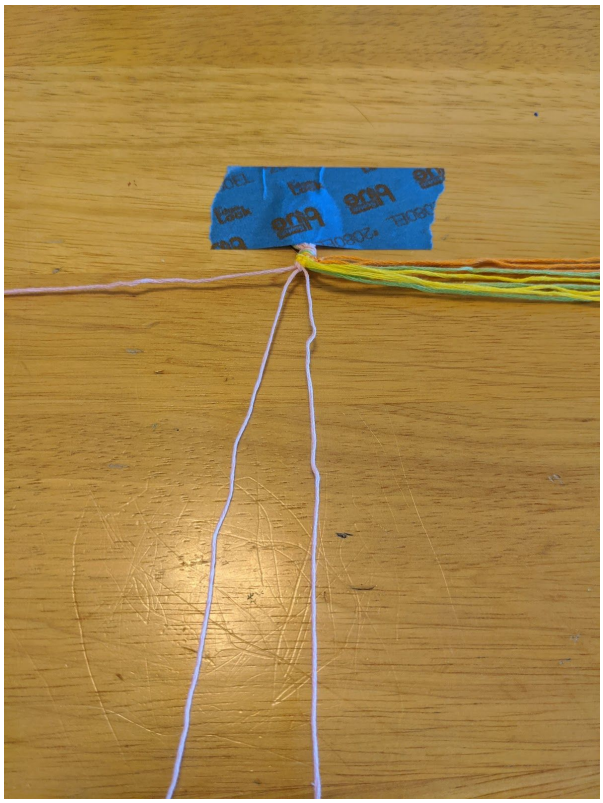


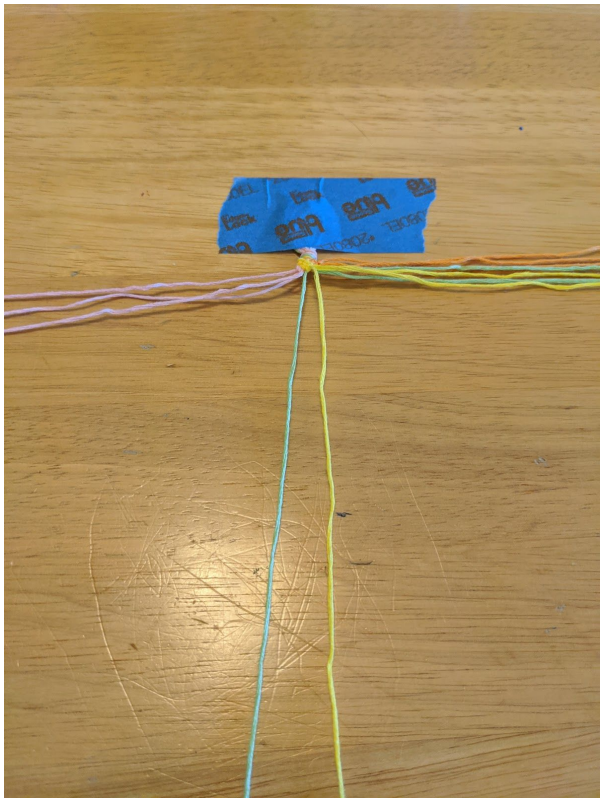


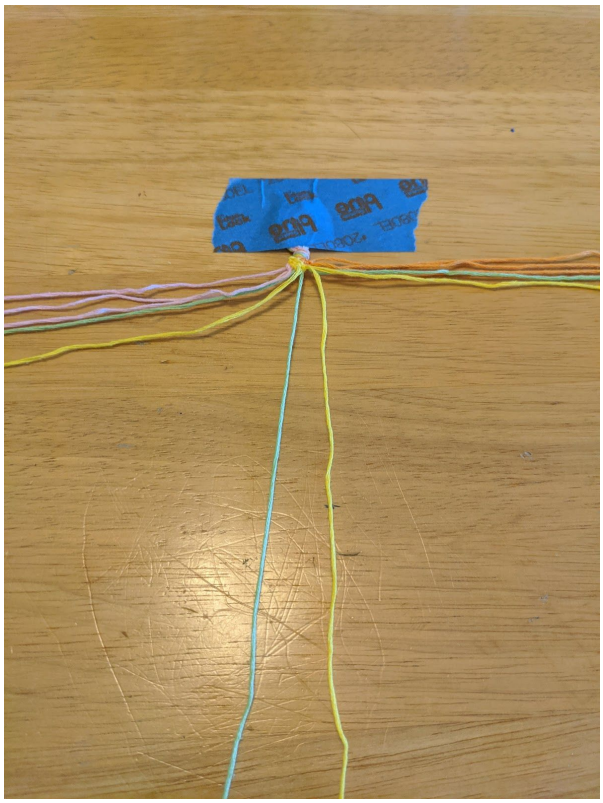


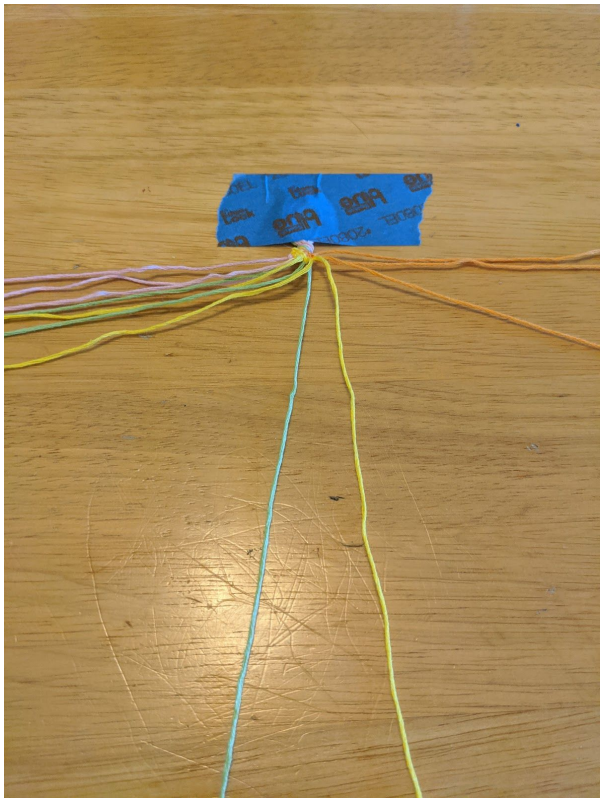
14. Your string order should now be 2,2,2,1,4,1,4,1,4,3,3,3 a. Ex. Pink, Pink, Pink, Yellow, Green, Yellow, Green, Yellow, Green, Orange, Orange, Orange	

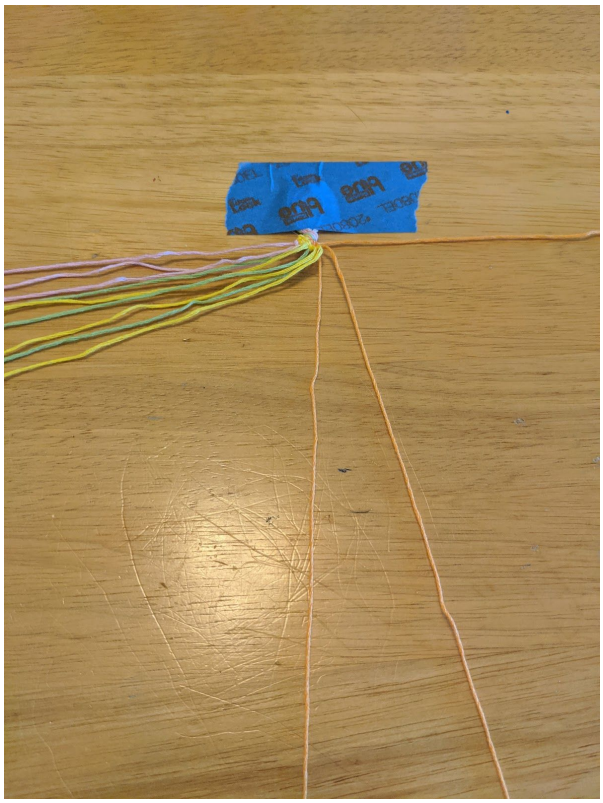
15. When you move back to the first two strings for the next row, you will again set the first string (2, or ex. Pink) aside and tie full forward knots with each following pair down the row, not using the last string (3, or ex. Orange) to tie a knot as well, for a total of 5 knots.

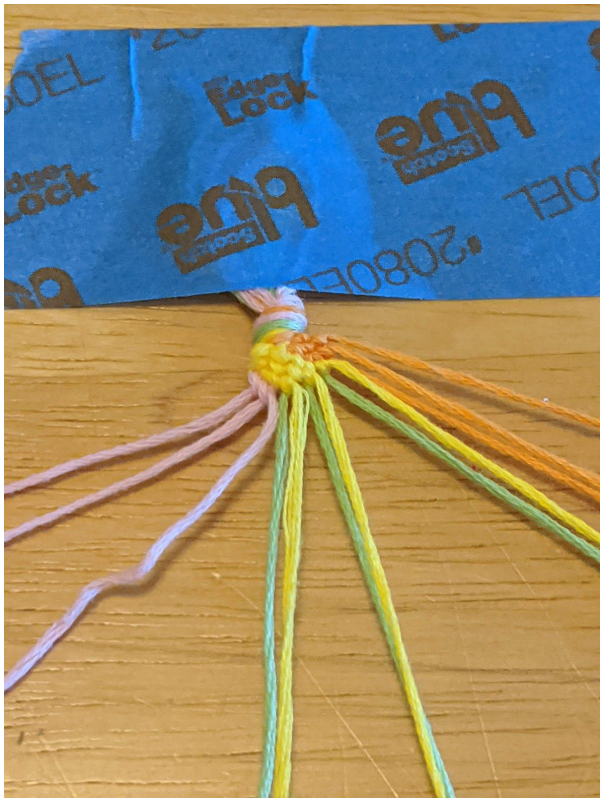


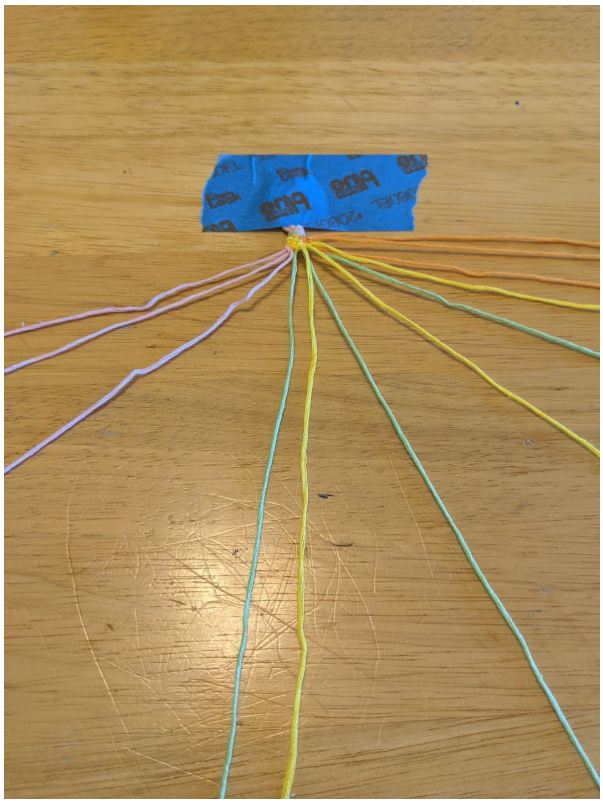




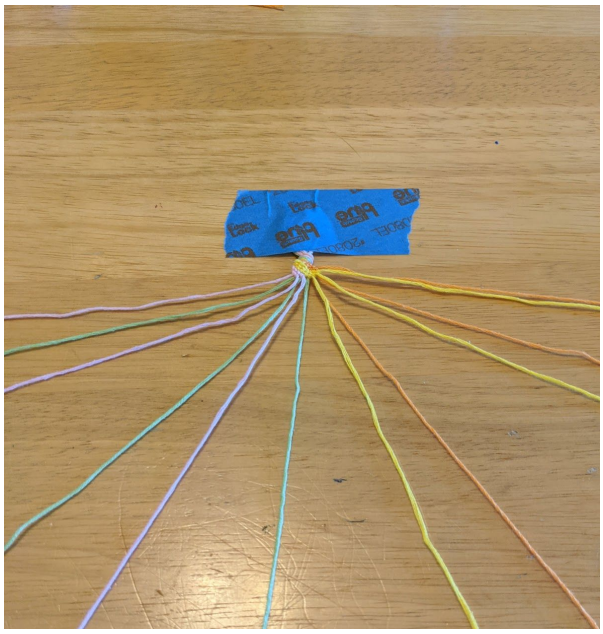
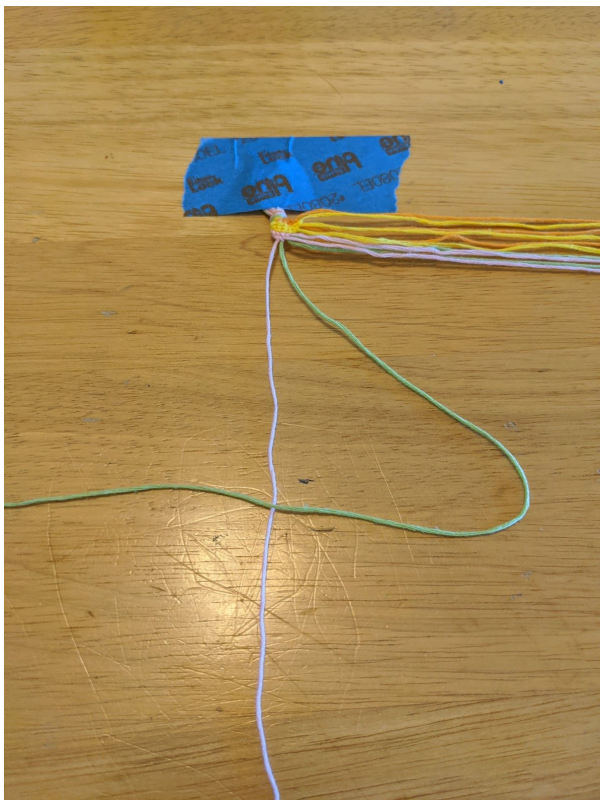


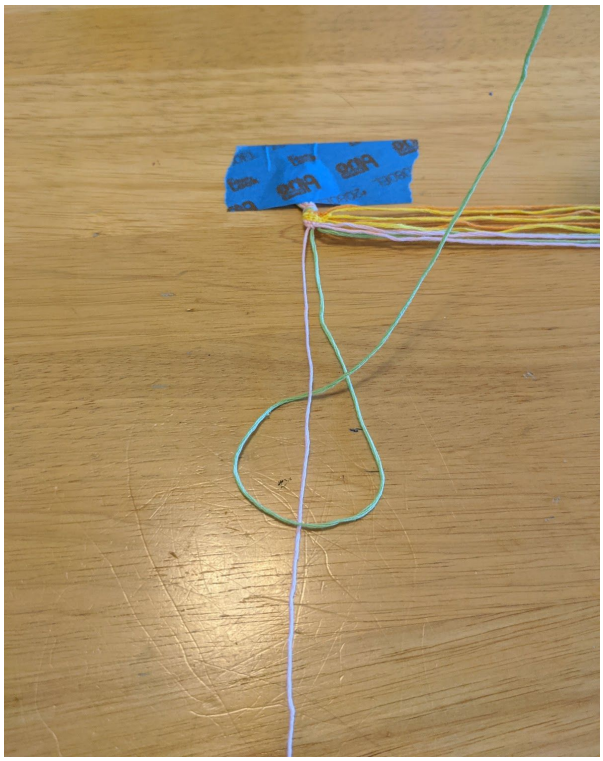
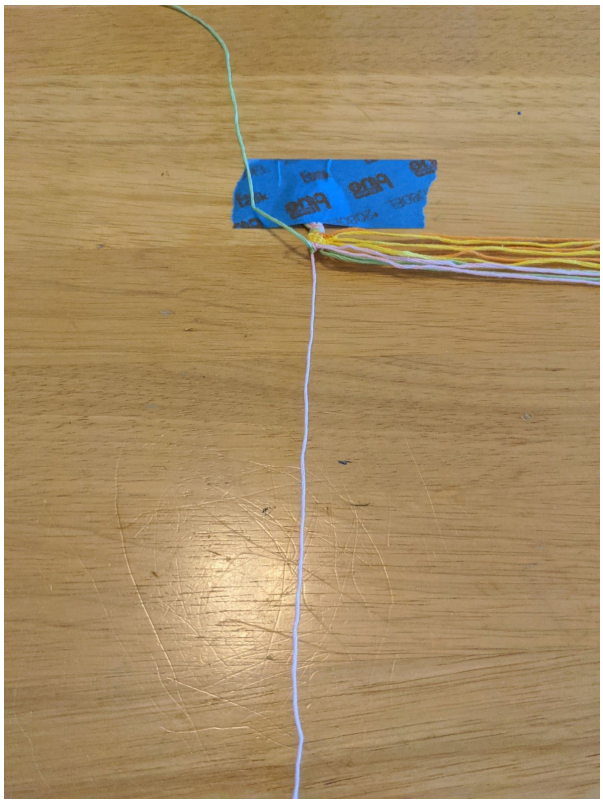



Edge Lock
Blue

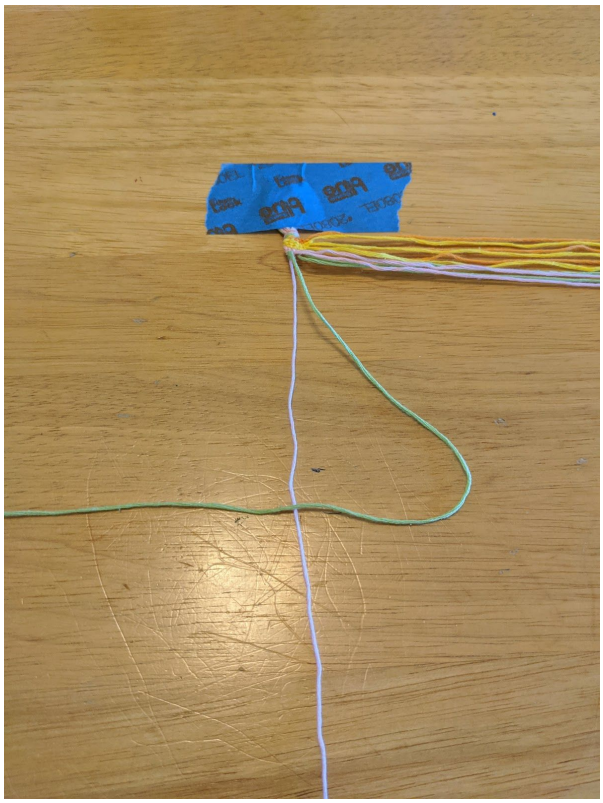
16. Your string order should now be 2,2,2,4,1,4,1,4,1,3,3,3 a. Ex. Pink, Pink, Pink, Green, Yellow, Green, Yellow, Green, Yellow, Orange, Orange, Orange	
17. Repeat this pattern, alternating tying full forward knots down the row starting with the first string and leaving out the first and last string to tie full forward knots down the row for a total of 6 rows, 3 using the first and last string (6 knots) and 3 leaving out the first and last string (5 knots). a. You have two more rows to go here. One using the first and last string one skipping the first and last string.	

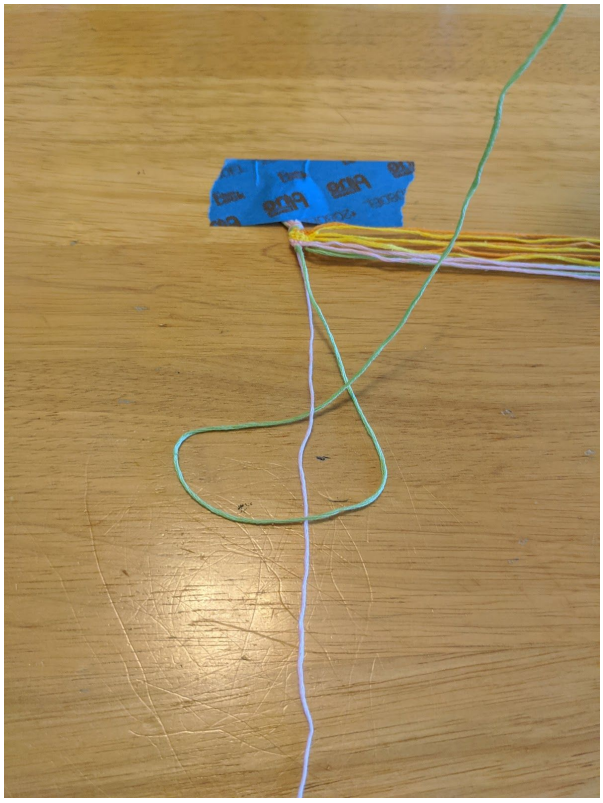
Rows 7 - 12

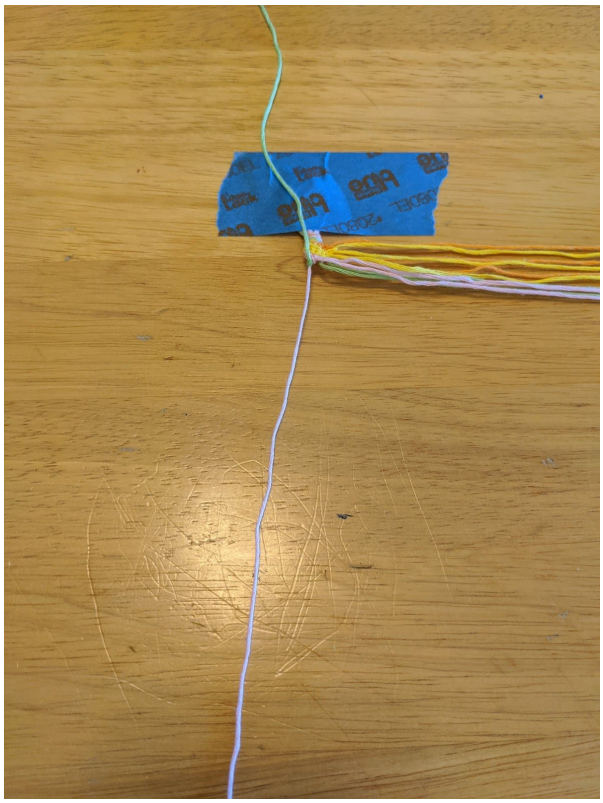
18. On the 7th row, the pattern continues but with full backwards knots. Your starting string order should be: 2,4,2,4,2,4,1,3,1,3,1,3 a. Ex. Pink, Green, Pink, Green, Pink, Green, Yellow, Orange, Yellow, Orange, Yellow, Orange.	
19. Take the first two strings (2 & 4, or ex. Pink & Green) and tie a full backward knot. a. Take the colored string you would like your knot to be (**Green**) and cross over the top of the other string(s) (**Pink**) leaving a loop on the right and tail end on the left, forming what looks like a backwards number **4**.	

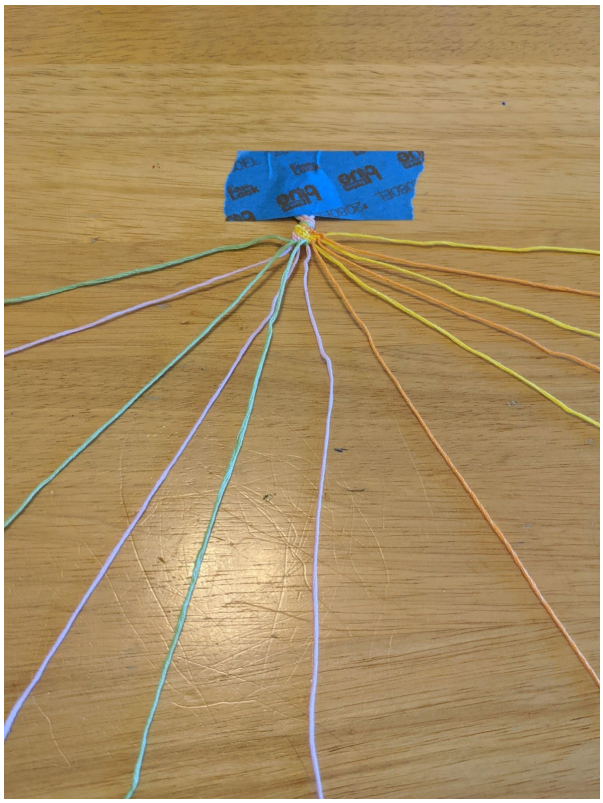
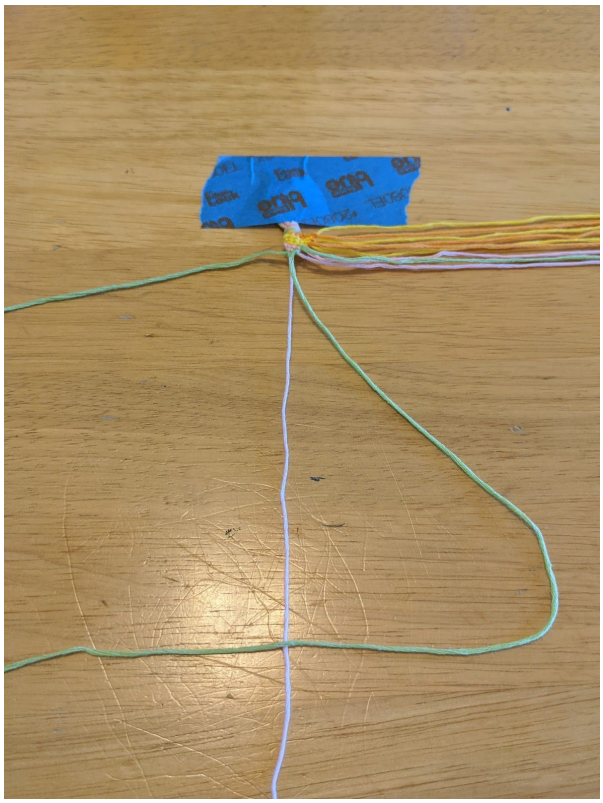
b. Reach through the loop and pull the tail end of your working colored string (**Green**) through the loop.	
c. Pull until tight.	

d. Repeat a second time around the same string(s).

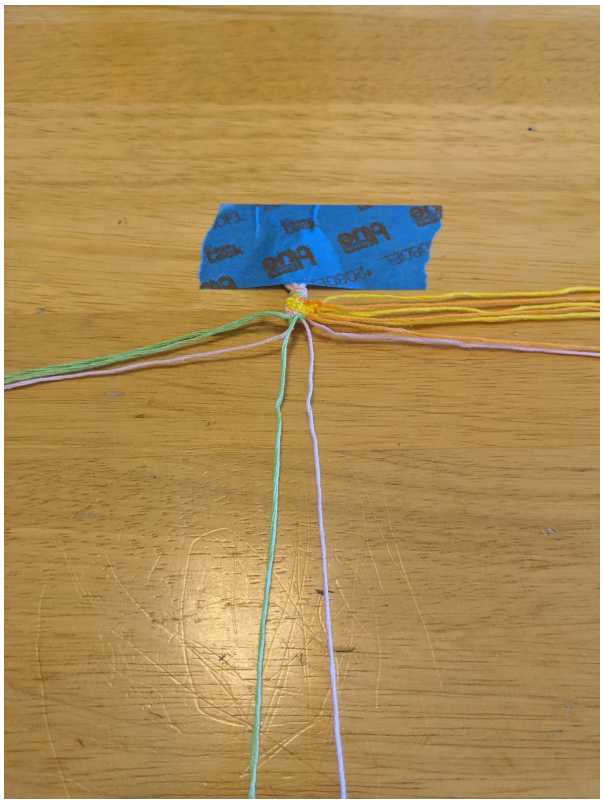


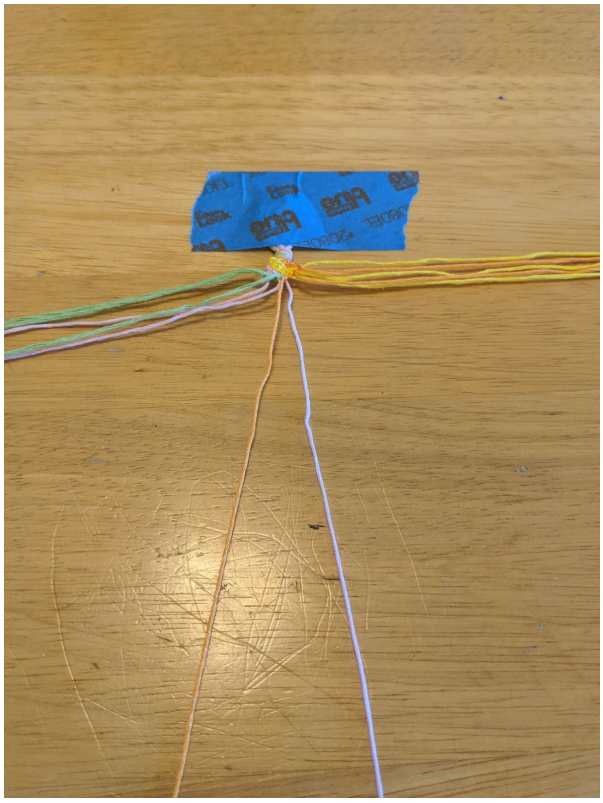


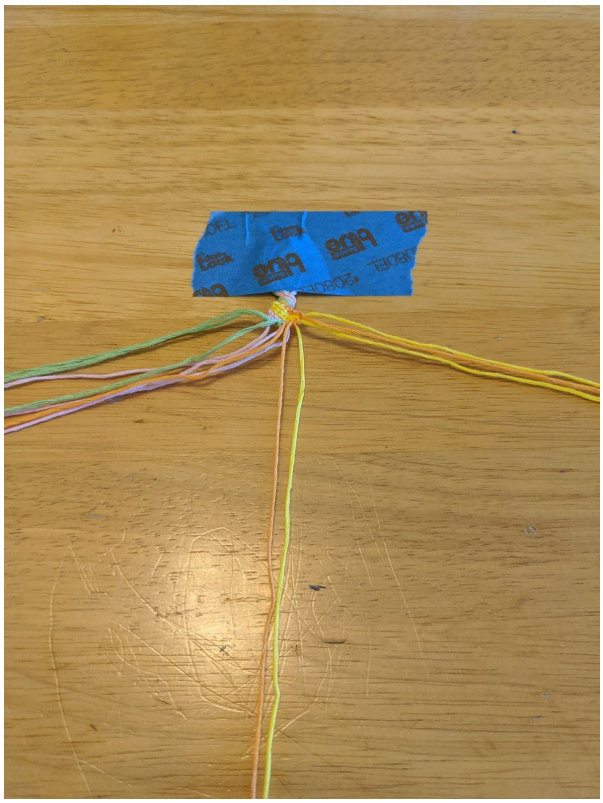
e. Your working colored string (**Green**) will end up on the left of your other string(s) (**Pink**).	
20. Continue with each pair down the row tying full backwards knots, for a total of 6 strings.	

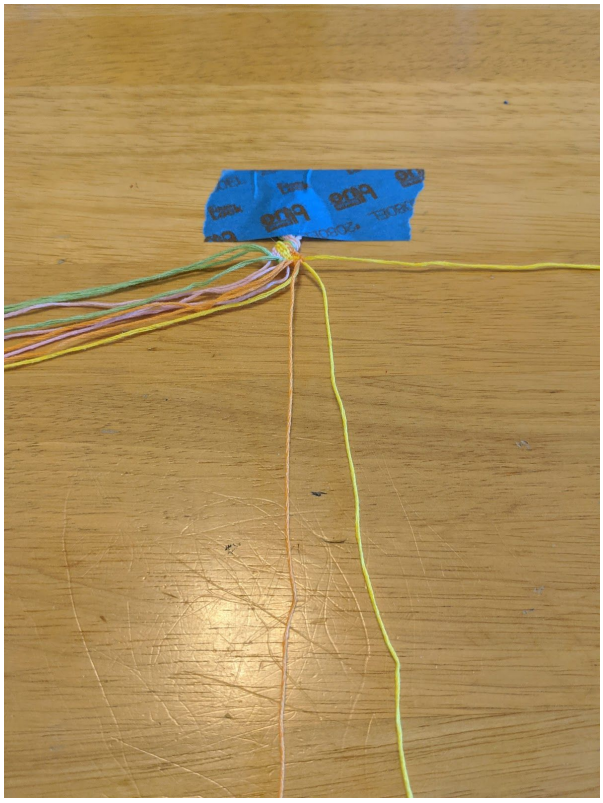
21. Your string order should be: 4,2,4,2,4,2,3,1,3,1,3,1 a. Ex. Green, Pink, Green, Pink, Green, Pink, Orange, Yellow, Orange, Yellow, Orange, Yellow.	
22. Move back to the first two strings (4 & 2, or ex. Green & Pink) and set the outer most string aside (4 or ex. Green). This string will not be used to tie a knot in this row. 23. Take the next two strings (2 & 4, or ex Pink & Green) and tie a full backward knot.	

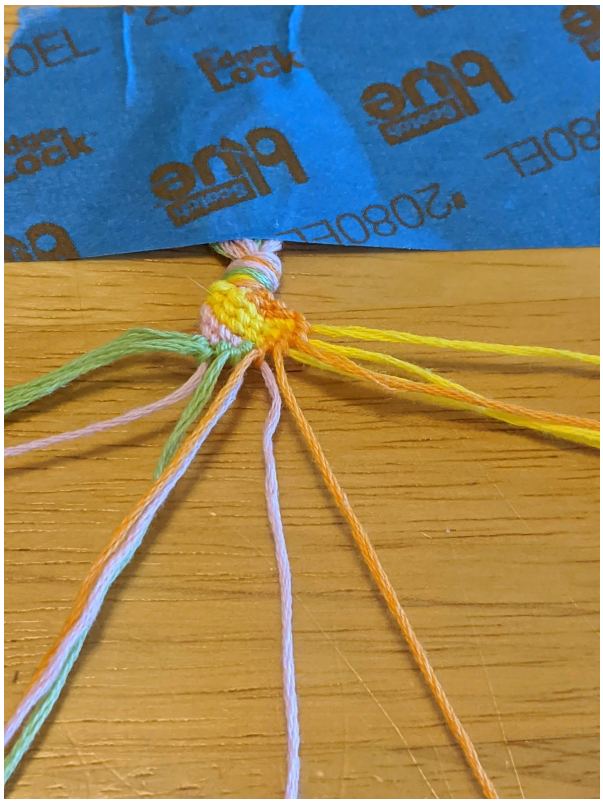
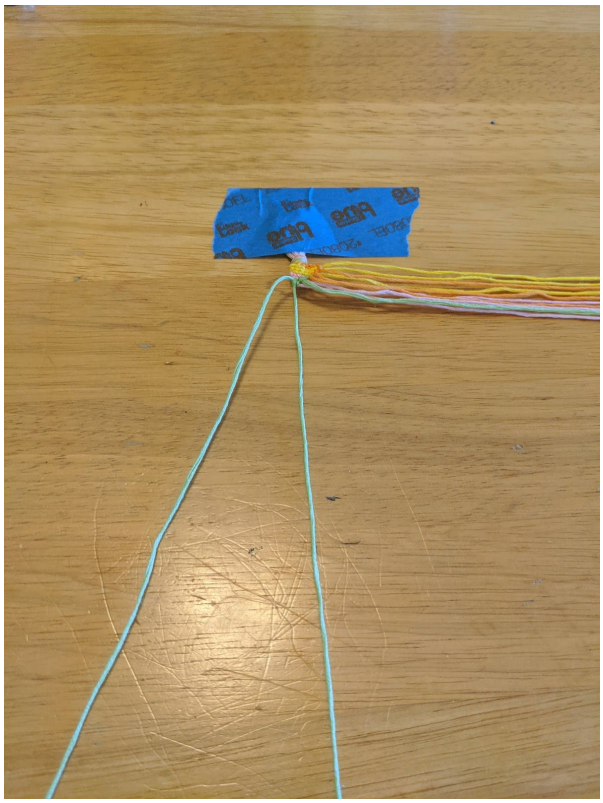
24. Continue with each following pair down the row tying full backward knots, for a total of 5 knots. You will not use the last string (1, or ex Yellow) to tie a knot.



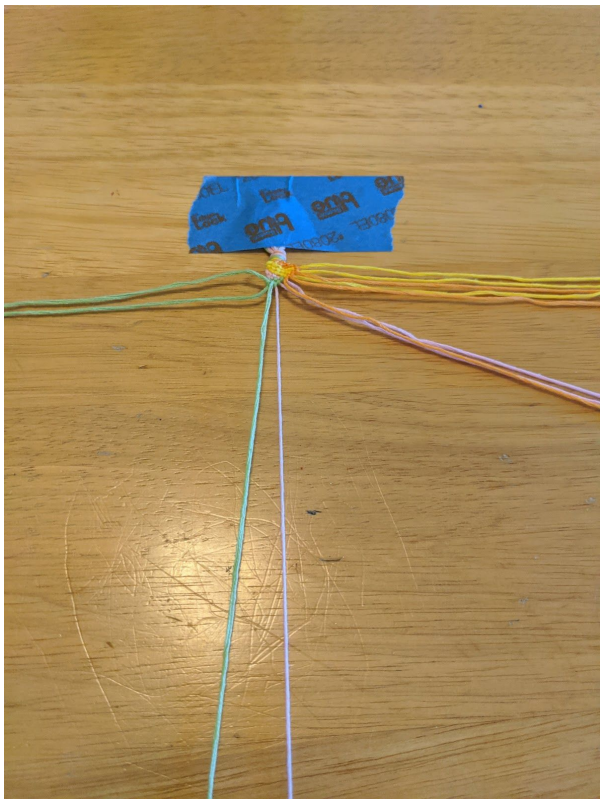


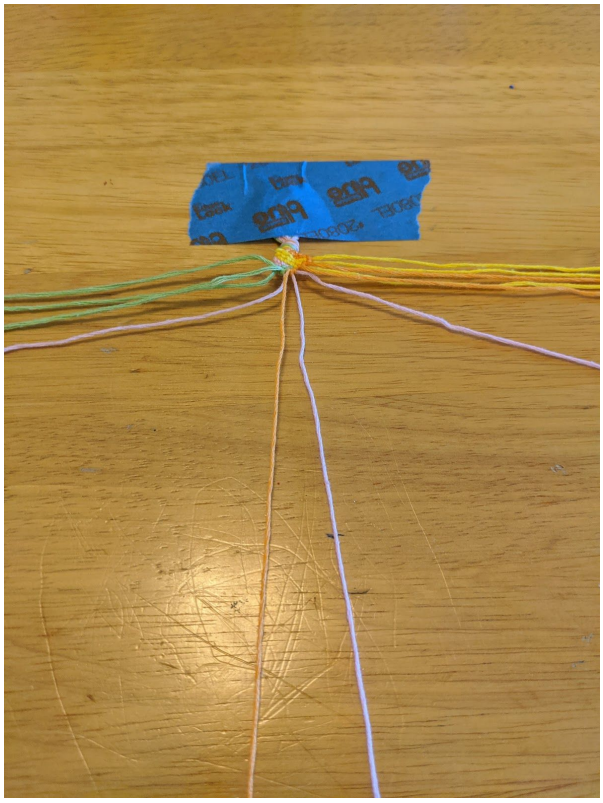


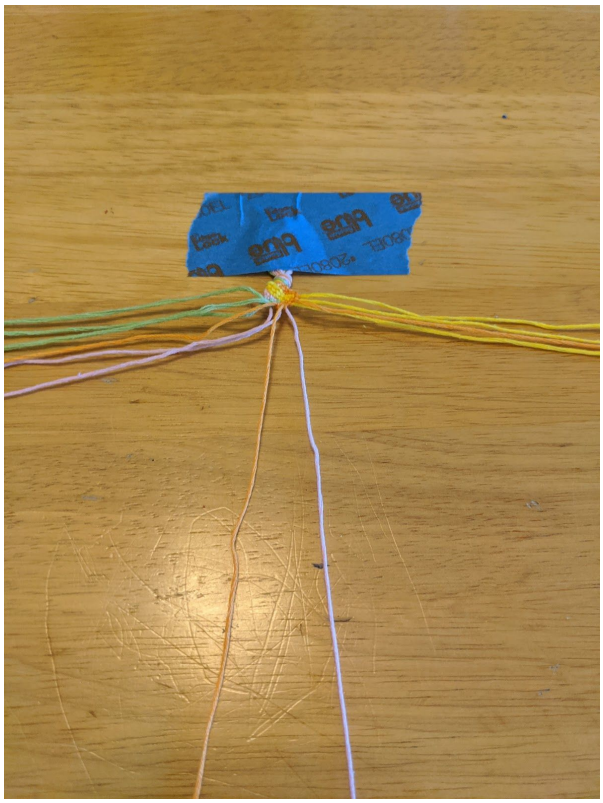


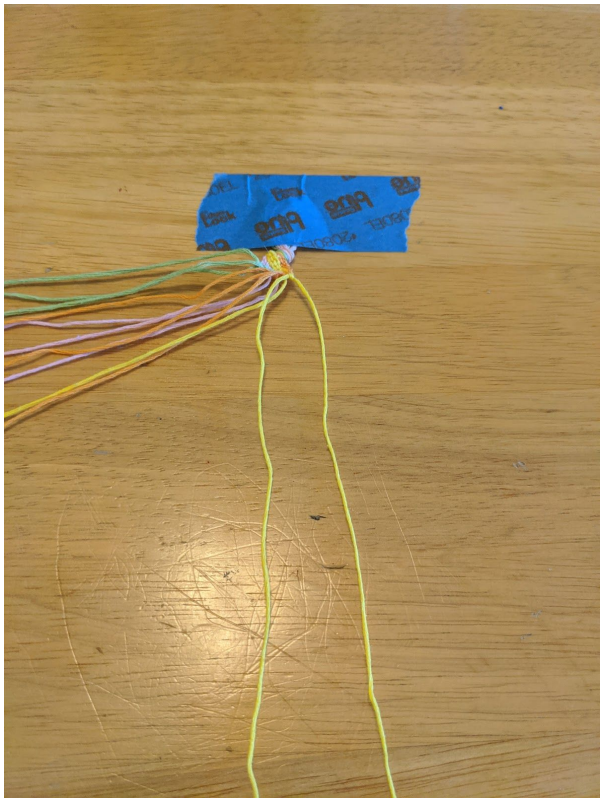
25. Your string order should be 4,4,2,4,2,3,2,3,1,3,1,1 a. Ex. Green, Green, Pink, Green, Pink, Orange, Pink, Orange, Yellow, Orange, Yellow, Yellow.	
26. Moving back to the first two strings (4 & 4, or ex. Green & Green) tie a full backward knot.	

27. Continue with each pair down the row tying full backward knots, for a total of 6 knots.

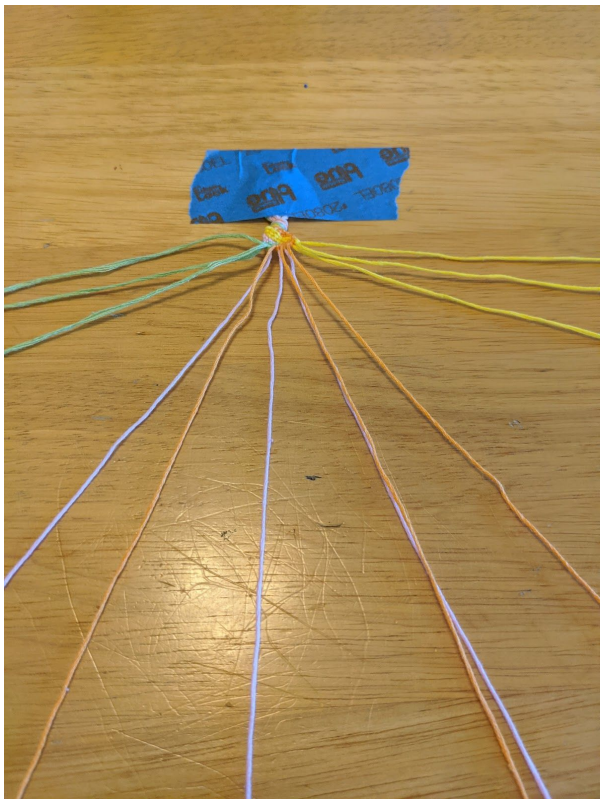




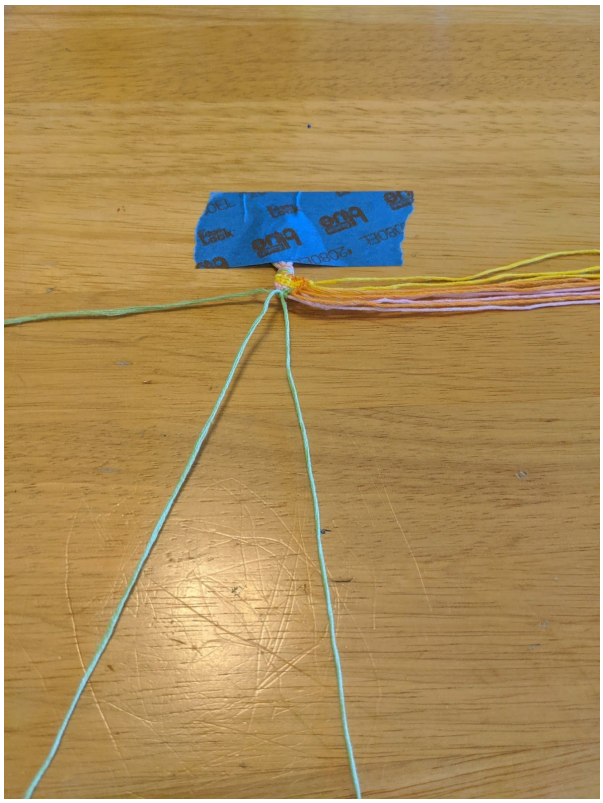


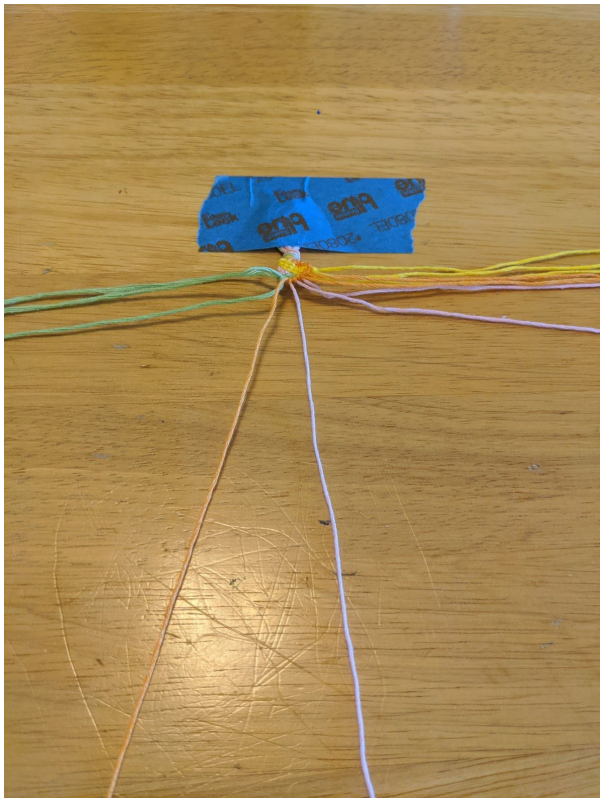


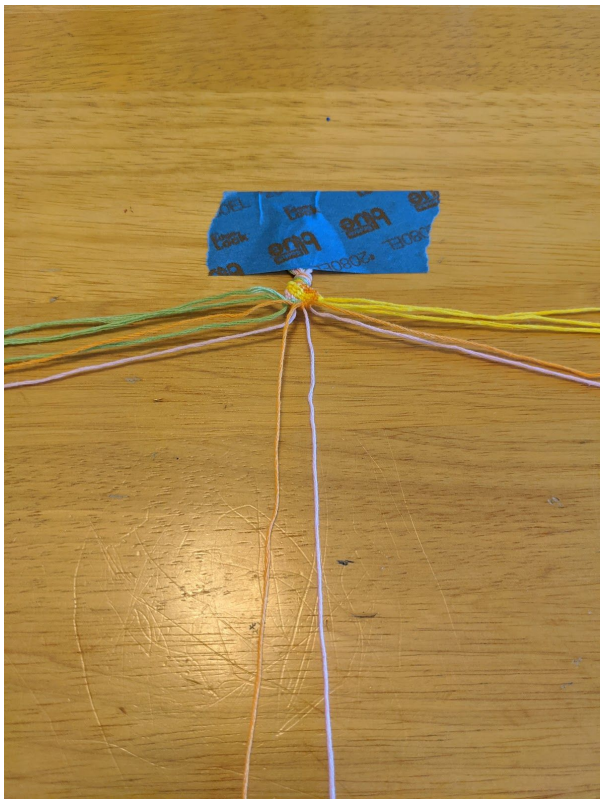
28. Your string order should be 4,4,4,2,3,2,3,2,3,1,1,1.
    a. Ex. Green, Green, Green, Pink, Orange, Pink, Orange, Pink, Orange, Yellow, Yellow, Yellow.

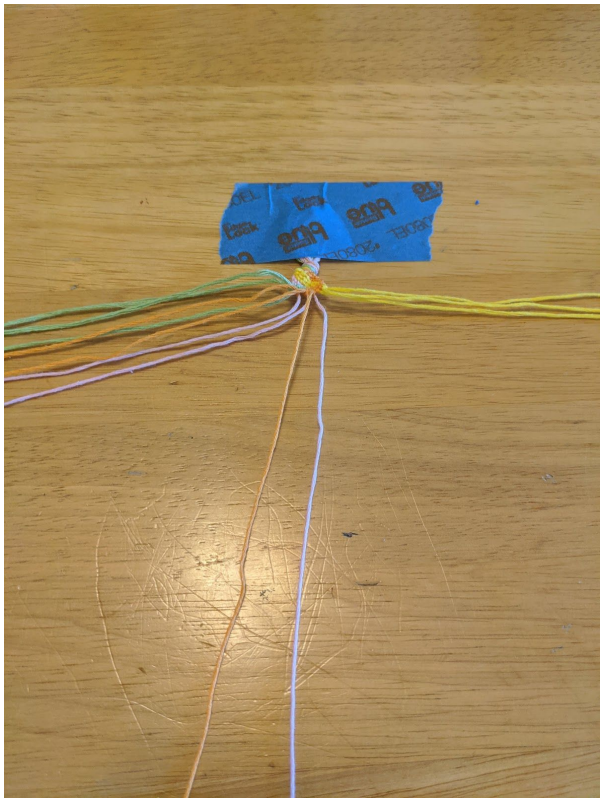


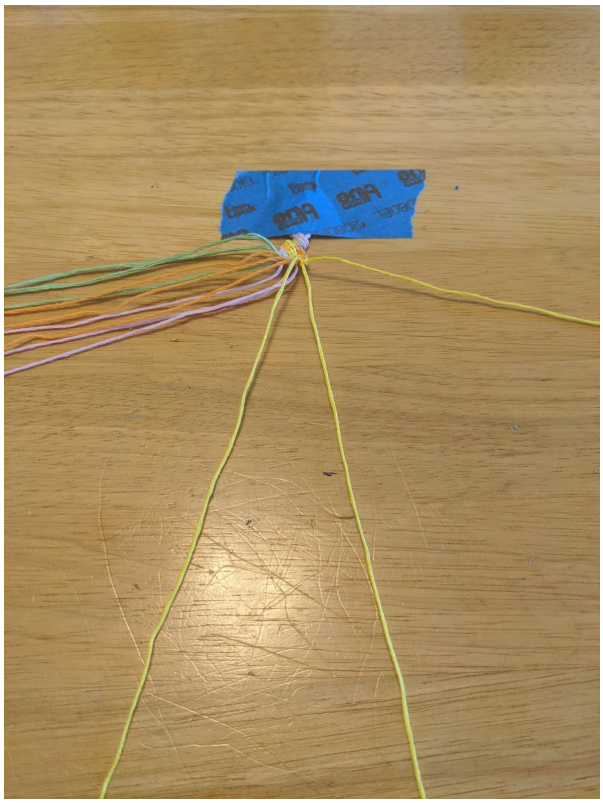
29. When you move back to the first two strings for the next row, you will again set the first string (4, or ex. Green) aside and tie full backward knots with each following pair down the row, not using the last string (1, or ex. Yellow) to tie a knot as well, for a total of 5 knots.

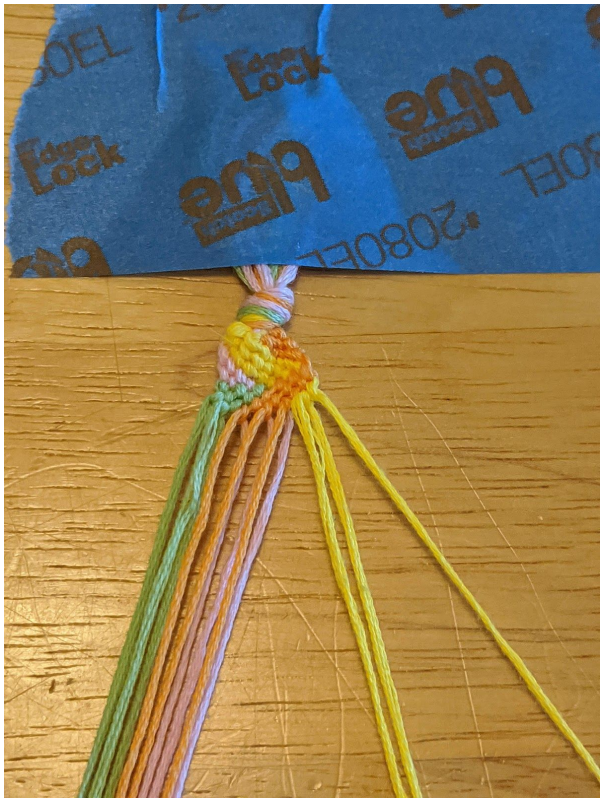


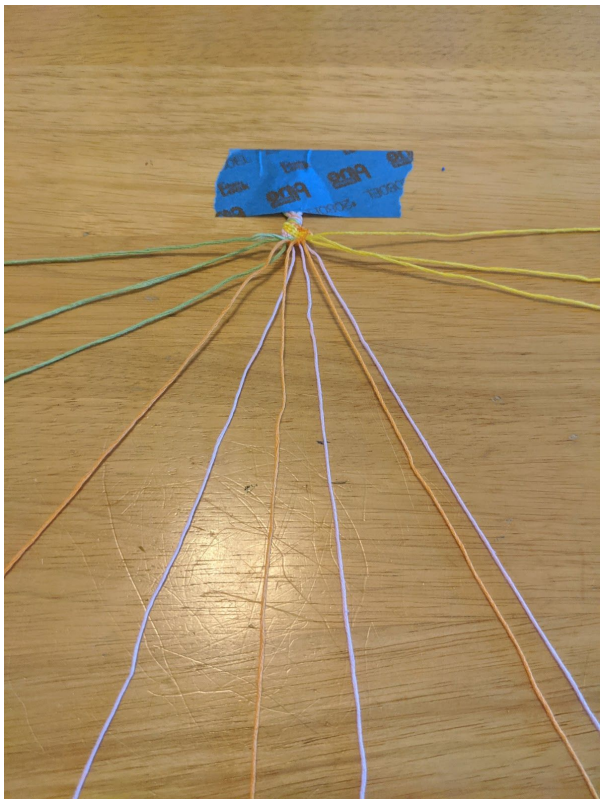






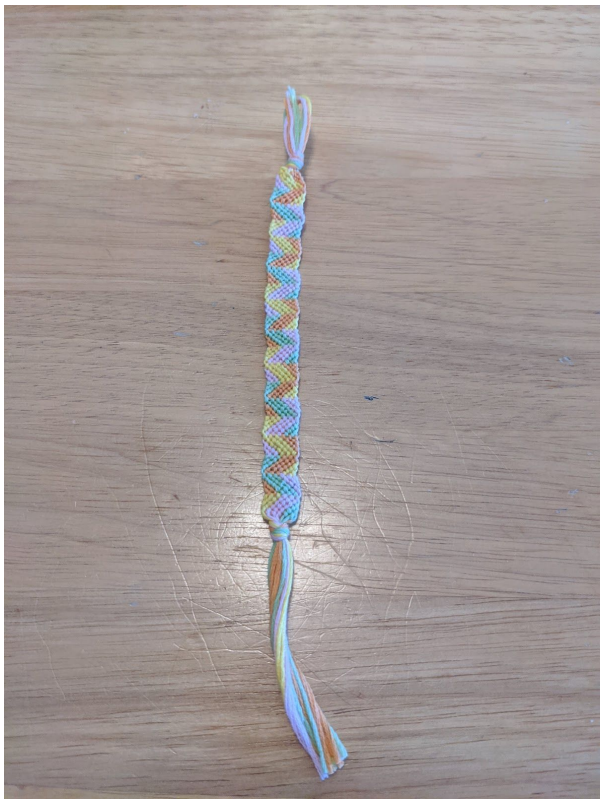



Lock
Pure

30. Your string order should be: 4,4,4,3,2,3,2,3,2,1,1,1. a. Ex. Green, Green, Green, Orange, Pink, Orange, Pink, Orange, Pink, Yellow, Yellow, Yellow.	
31. Repeat this pattern, alternating tying full backward knots down the row starting with the first string and leaving out the first and last string to tie full backward knots down the row for a total of 6 rows, 3 using the first and last string (6 knots) and 3 leaving out the first and last string (5 knots). a. You have two more rows to go here. One using the first and last string one skipping the first and last string.	

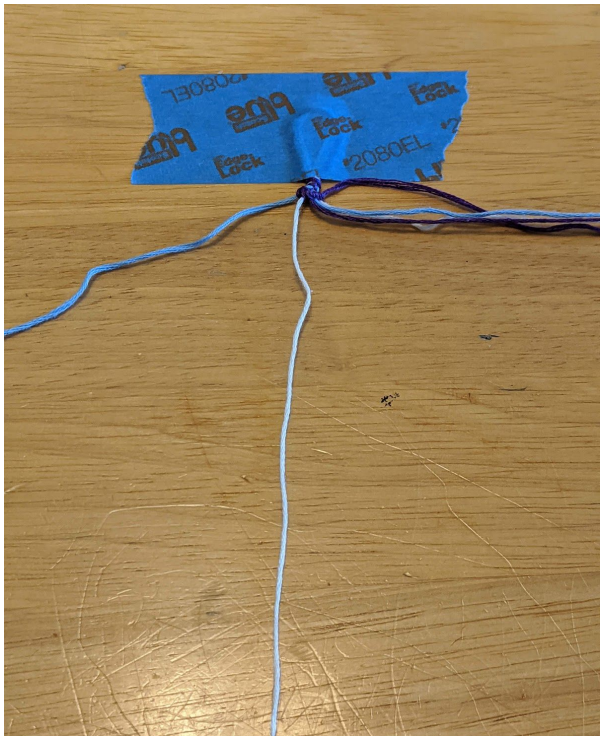
32. Continue alternating between 6 rows of full forward knots and 6 rows of full backward knots until your bracelet fits around a wrist, about 7 inches long.
    a. Remember to alternate between using the first and last strings (6 knots) and leaving them out (6 knots), within your 6 rows.

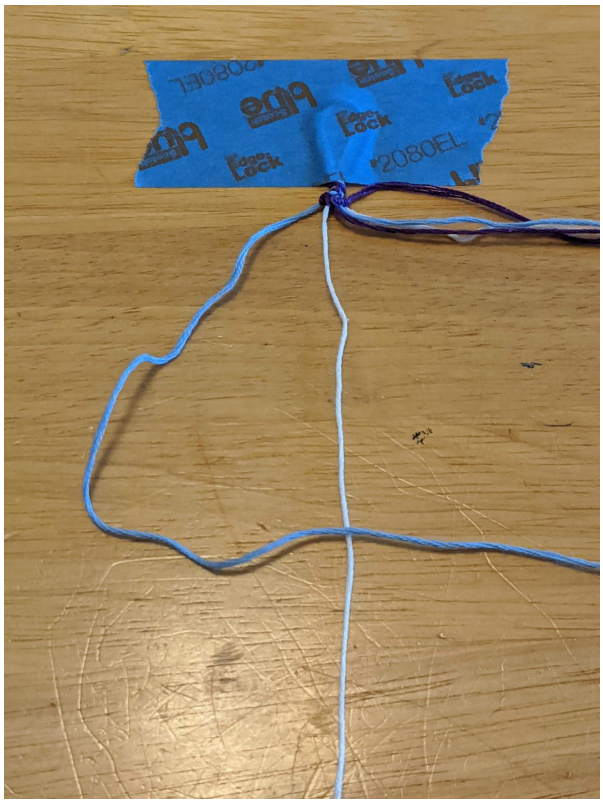
Bracelet Finish

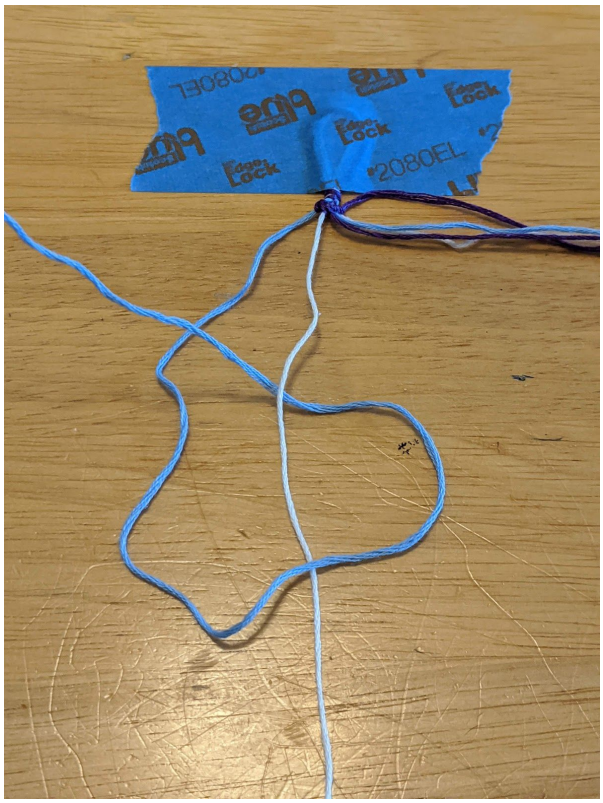
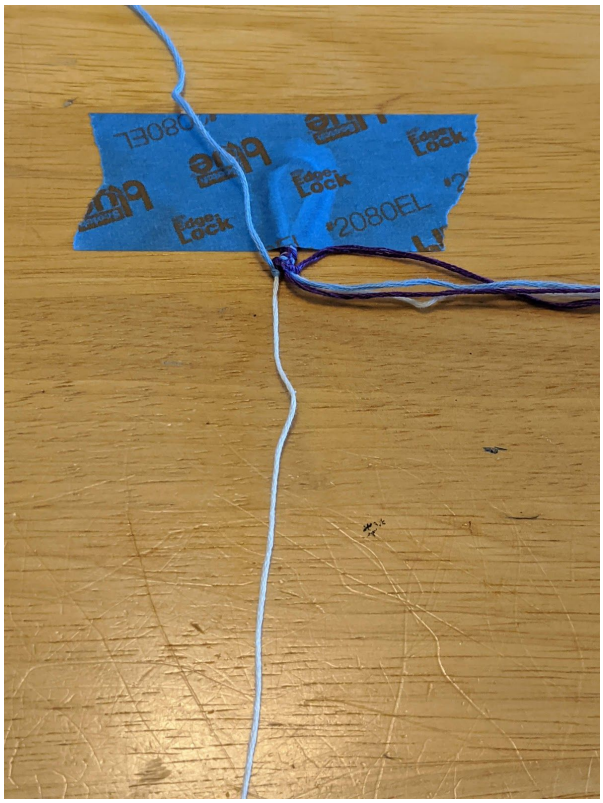
33. Tie a knot at the end. 34. Cut off excess string about 2 inches from the knot.	
35. Give to a friend/family member/loved one!	

Full Forward Knot Instructions:

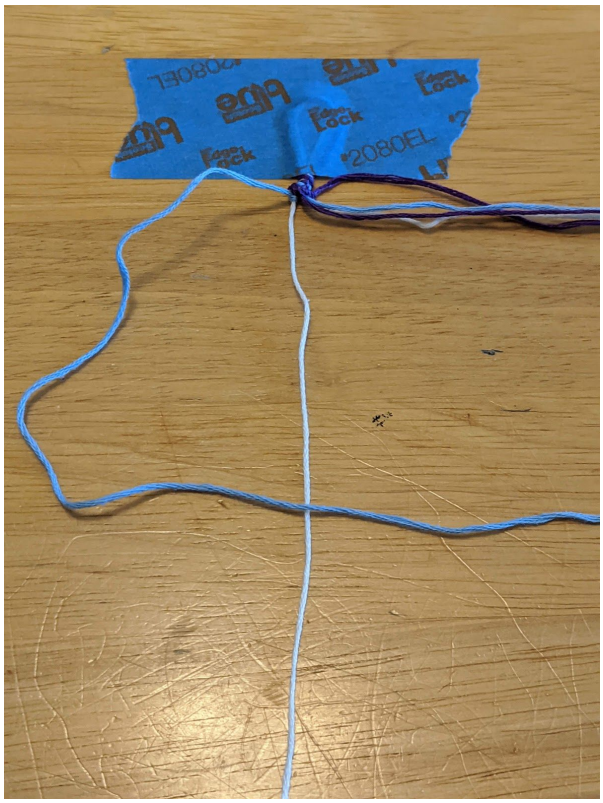
1. Take the colored string you would like your knot to be and cross over the top of the other string(s) leaving a loop on the left and tail end on the right, forming what looks like the number **4**.

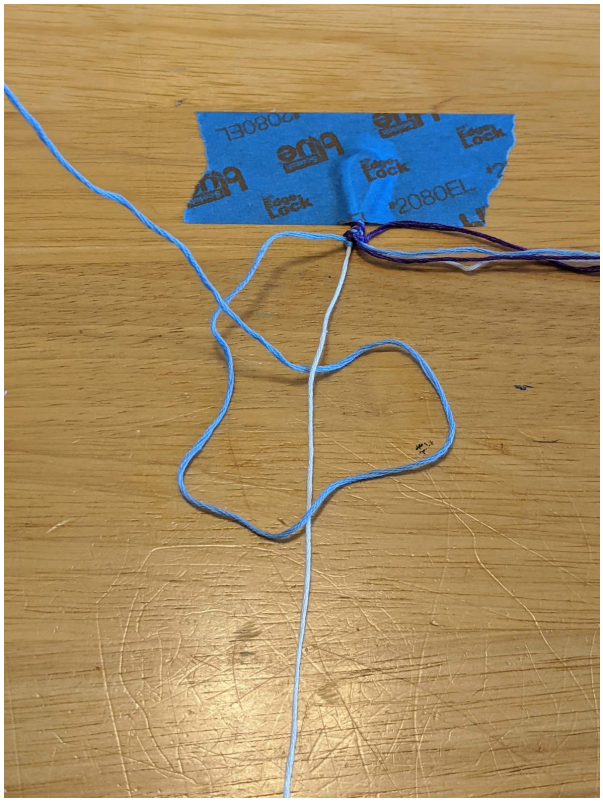


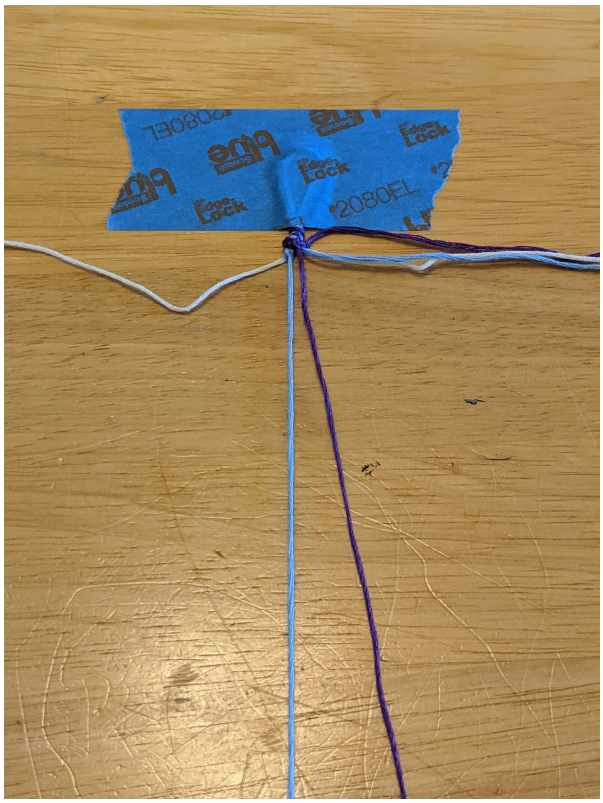


2. Reach through the loop and pull the tail end of your working colored string through the loop.	
3. Pull until tight.	

4. Repeat a second time around the same string(s).

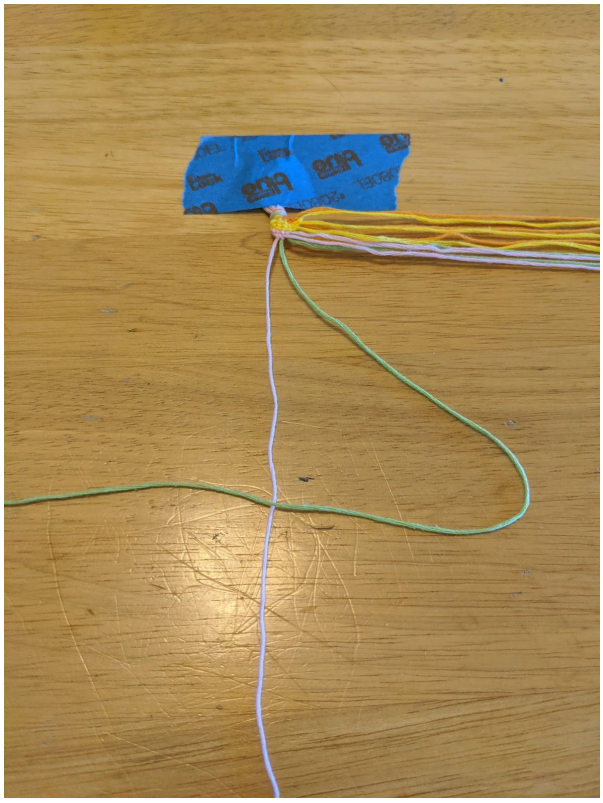


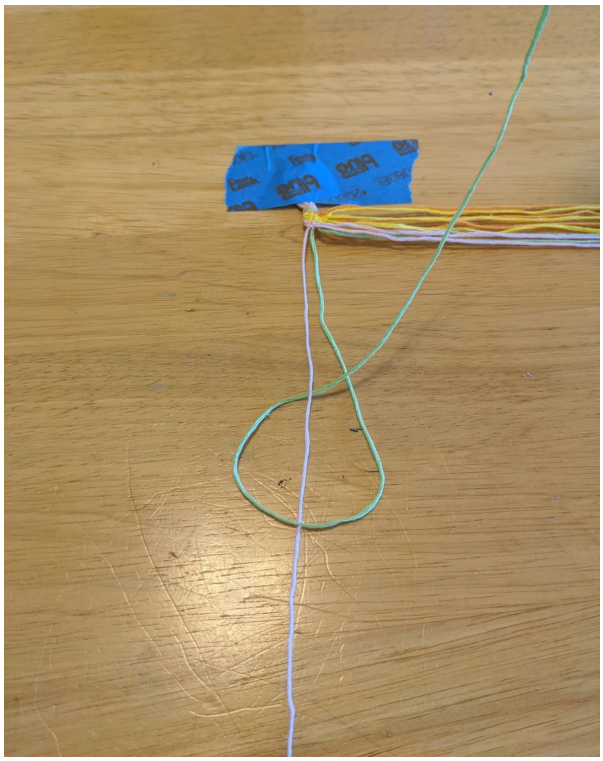
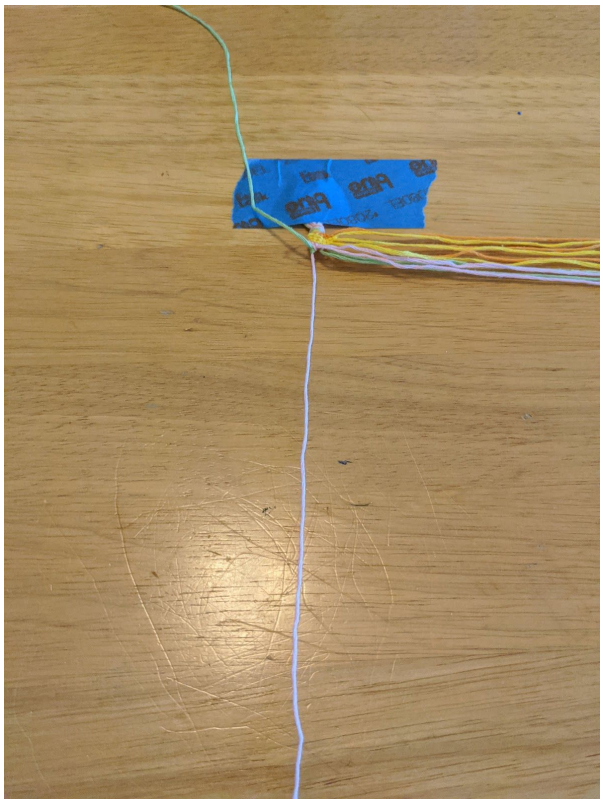


5. Your working colored string will end up on the right of your other string(s).	

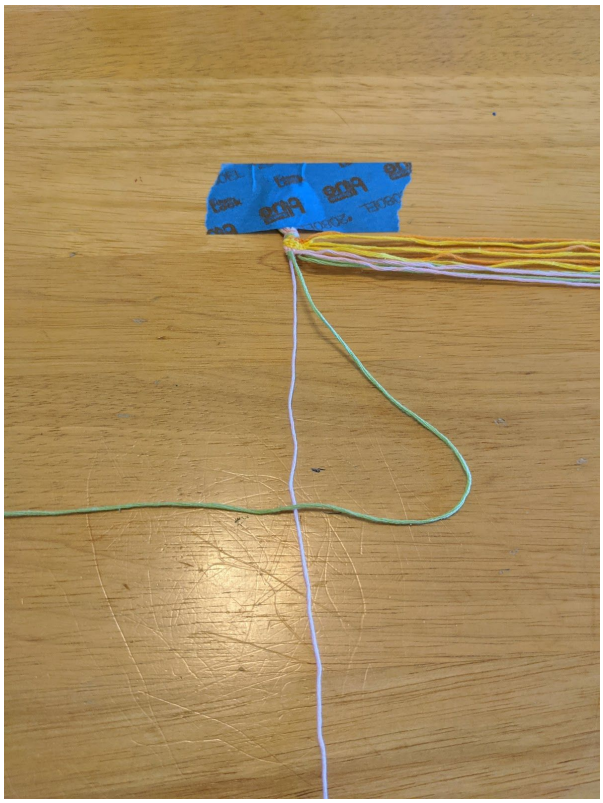
Full Backward Knot Instructions:

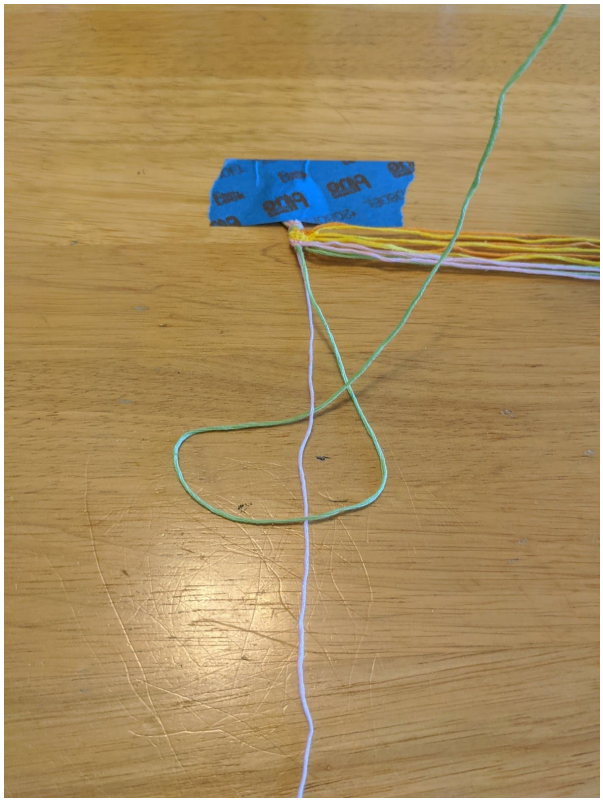
1. Take the colored string you would like your knot to be and cross over the top of the other string(s) leaving a loop on the right and tail end on the left, forming what looks like a backwards number **4**.

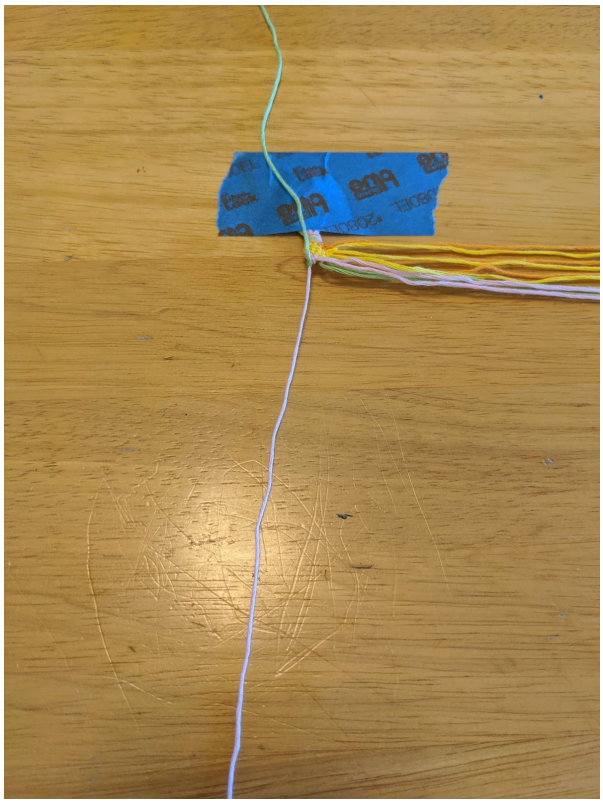


2. Reach through the loop and pull the tail end of your working colored string through the loop.	
3. Pull until tight.	

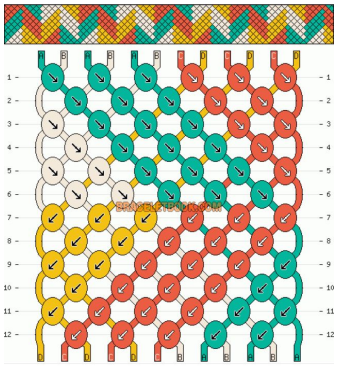
4. Repeat a second time around the same string(s).





5. Your working colored string will end up on the left of your other string(s).	

How to Read a Bracelet Pattern

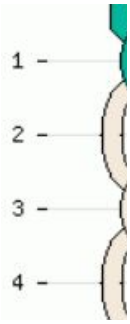
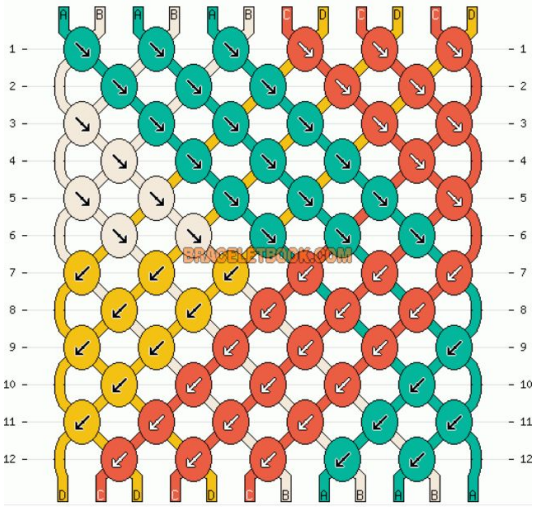
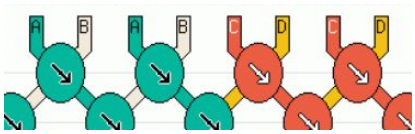


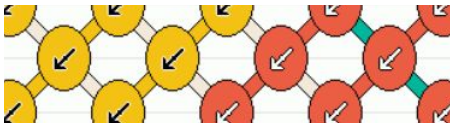
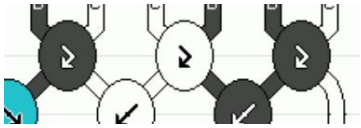
If you look online for friendship bracelet patterns they often look like this. They help you figure out the pattern and they can help you figure out where you left off if you put your bracelet down.

There are different parts to the pattern:

1. Full Bracelet
2. String Labels
3. Row Labels
4. Types of Knot

1. Full Bracelet a. The full bracelet is found often at the top or bottom of the pattern. This shows you what the final product will look like.	
2. String Labels	

a. At the top of the pattern you will see the initial order of your strings. Your strings need to be laid out in this order to start the first row of your bracelet. The strings are often color coded but they will always have a label for each string that is the same color (ex. A, B, C or 1, 2, 3).	
3. Row Labels a. This tells you how many rows there are before the pattern repeats. This also helps you figure out where you are in the pattern.	
4. Types of knots a. The arrows on the pattern are how you know which type of knot to tie and which color the knot should end up as. There are a few different types of knots that can be represented.	
b. Full Forward Knots are shown by an arrow pointing down diagonally to the right.	

c. Full Backward Knots are shown by an arrow pointing down diagonally to the left.	
d. Forward Backward Knots are shown by a bent arrow pointing to the left.	
e. Backward Forward Knots are shown by a bent arrow pointing to the right.	