# Muffin Tin Algorithm

This activity was shared by the website jdaniel4smom.
https://jdaniel4smom.com/?s=muffin+tin+algorithm
This website contains so many creative extensions and we highly recommend that you check it out!

**Supplies**

1. **Muffin Tin**
2. **Two Small Toys**
3. **Arrow Cards ( create your own or use the pdf on our website)**

**Directions**

1. **Decide where you want to start and end the path.**
2. **Create a path of arrows that will lead you From the beginning of the path to the end.**
3. **Each of the arrows will point in the direction they are moving to the next muffin cup and towards the end of the path.**
4. **After successfully completing the path, count the number of arrows used in creating the path. Can you create another path ( algorithm) that would use the same number of arrows, but use a different path?**
5. **Can you create a path that will use more arrows? Fewer arrows?**
6. **Challenge a friend or family member to complete the algorithm with a certain number of arrows or steps.**