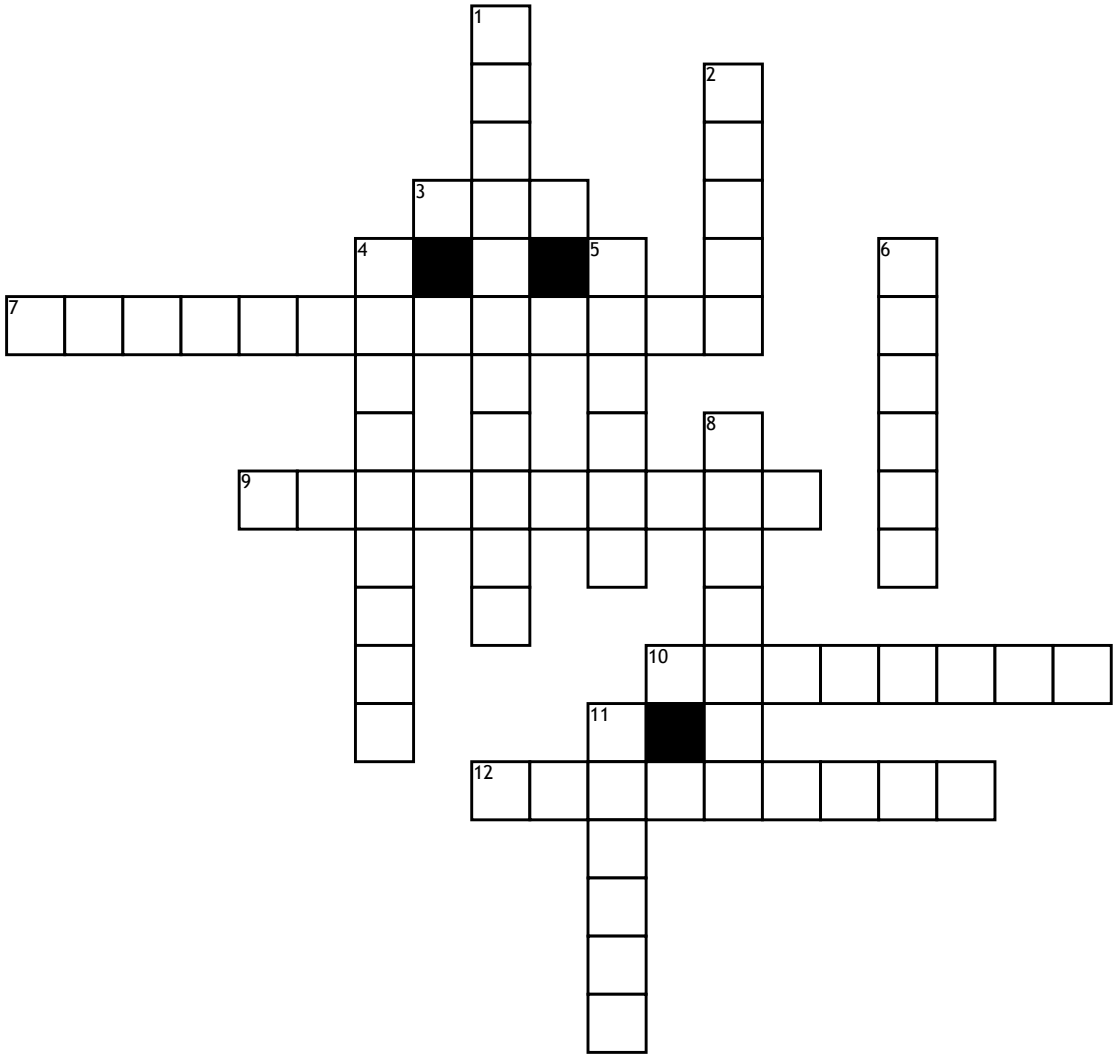
Name: _____ Date: _____

The Brain Science



Across

3. We ___ a representation of fingers in our brains when we calculate

7. this paper was a ___ between a neuroscientist and a mathematician

9. after playing a number line game, differences in knowledge between low and middle income students was

10. University students' somatosensory knowledge of fingers ___ their calculation scores

12. It is important that students learn numerical ___ through linear representations and visuals

Down

1. as children learn and develop, the brain becomes more

2. the ___ becomes more specialized in representing visual number forms

4. the neurobiological basis of mathematics ___ involves complicated communication that includes visuals

5. Our mathematical thinking is grounded in ___ processing

6. a ___ line representation has been shown to be a precursor of children's academic success

8. one of the two visual pathways that show brain activity when doing math

11. the other of the two visual pathways that show brain activity when doing math