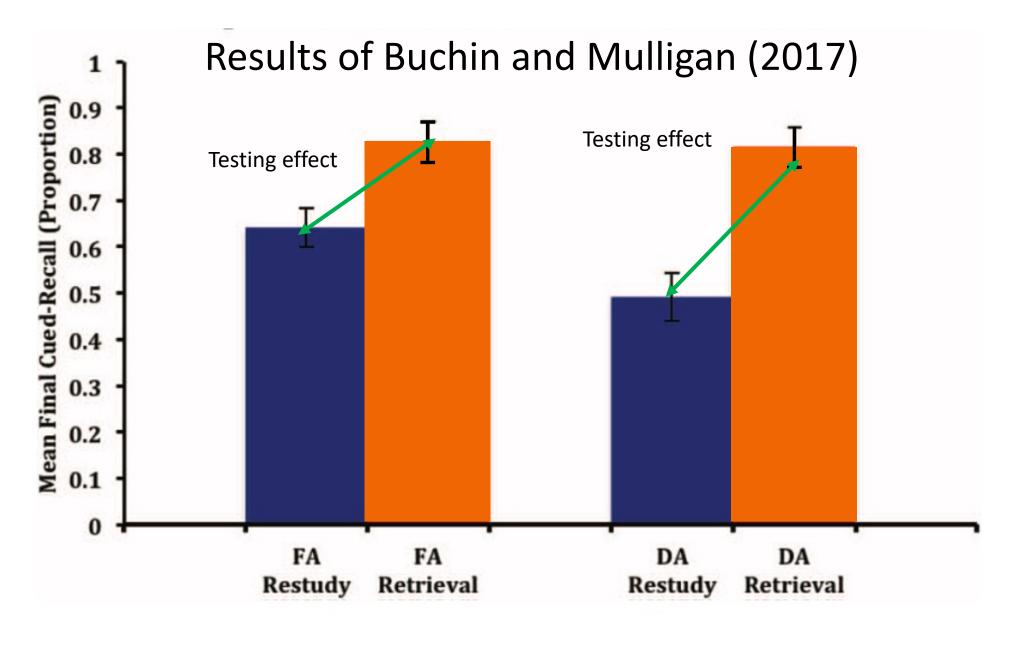
The Effects of Divided Attention on the Testing Effect and its Transferability Miranda Chan, Donnelle DiMarco, & Harvey Marmurek University of Guelph



Introduction

- **Testing effect:** occurs when retrieving material enhances subsequent memory of that material more than simply restudying the material (Carpenter, 2011)
- Effortful processing view: extra effort in retrieval enhances memory (Buchin and Mulligan, 2017)
 - Prediction: dividing attention (DA) should negatively impact retrieval more than restudy (Buchin and Mulligan, 2017)
- DA should yield a smaller testing effect than Full Attention (FA) (Buchin and Mulligan, 2017)
- Buchin and Mulligan (2017), however, found DA negatively impacted restudy
- The larger testing effect with DA is inconsistent with the effortful processing view



- Secondary task performance:
 - Task prioritization- restudy prioritizes secondary task; testing prioritizes retrieval (Buchin & Mulligan, 2017)
- Transfer of Test-Enhanced Learning: the benefit of testing occurs when the retrieval task changes (Pan & Rickard, 2018

Current Study

Investigate the impact of divided attention when the final test format changes over brief and extended time delays

