

# Foundations of Math Instructor Resources

## Unit 1:

[1.01BallCohenReformbytheBook.pdf](#)

[FOM External Order Form](#)

[FOM Letter of Intent](#)

[FOM Instructor Process](#)

<https://ies.ed.gov/>

[Pretest TELT and Teacher Knowledge](#)

[Rubric TELT for Foundations of Math](#)

[www.inearcoaching.com](http://www.inearcoaching.com)

[Unpacking 5 September 2015 \(word\)](#)

[Agenda](#)

[Magical Hopes](#)

[Discussion Questions for Magical Hopes](#)

[Checklist for Math Programs for Students with Math Difficulties](#)

[Video Rubric](#)

[Materials for Foundations Training](#)

## Unit 2:

[Teaching Number Sense Discussion Questions](#)

[Teaching Number Sense](#)

TIMSS: <http://nces.ed.gov/pubsearch/pubsinfo.asp?pubid=2013009>

PISA: <http://nces.ed.gov/pubs2011/2011004.pdf>

NAEP: <http://nces.ed.gov/nationsreportcard>

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## References

- Boaler, J., Wiliam, D. & Brown, M. (2000). Students' experiences of ability grouping—disaffection, polarisation, and the construction of failure. *British Educational Research Journal*, 26(5), 631–648.
- Dale, R. & Scherrer, J. (2015). Goldilocks discourse – math scaffolding that's just right. Retrieved from <http://www.kappancommoncore.org/goldilocks-discourse-math-scaffolding-thats-just-right/>
- Dehaene, S. (1999). *The number sense*. New Yoirk, NY: Oxford.
- Dweck, C. S. (2006). *Mindset: The new psychology of success*. New York, NY: Random House.
- Dweck, C.S. (2015). Carol Dweck revisits the growth mindset. *Education Week*. Retrieved from <http://www.edweek.org/ew/articles/2015/09/23/carol-dweck-revisits-the-growth-mindset.html>



### Unit 3:

Components of Number Sense Wheel

### Unit 4:

The Components of Number Sense: An Instructional Model for Teachers

Number Sense Questions for Trashketball

Trashketball Stats Recording Sheets

Tens and Hundreds Grids

### Unit 5:

Unit 5 Number Knowledge Test Admin Rubric

Subitizing

Subitizing Discussion Questions

Number Knowledge Test Levels 0, 1, 2 and 3

Number Knowledge Test Props Full Size

Number Knowledge Test Recording Form

The Number Knowledge Test Admin and Scoring

Situations

<http://www2.clarku.edu/numberworlds/>

Math Instruction Checklist

Unit 6:

Six Frames

Ten Frames

Equality Article

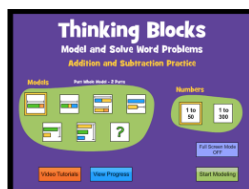
Base 6 Activity Cards

Base 6 Number Line

To be used for Equality Structure Sort Activity  
Unpacking 5 September 2015 (word)

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## Thinking Blocks



<http://www.mathplayground.com/thinkingblocks.html>

## Unit 7:

Unit 7 Painting Walls Rubric

Correlation Graph Questions

<http://gcpsx.coeps.drexel.edu/silverman/powter/5practices.pdf>

## Unit 8:

Van Hiele Levels of Geometry

Feeding the DumDee Script

Dollar Deal Objects in Color

Proportion for Visual

## Unit 9:

Unit 9 Number Knowledge Test Learning Plan Rubric

Video Rubric