

Name: _____ date: _____

Survey of Prior Use of Manipulatives in Teaching and Learning Mathematics

I. Rate your use of manipulatives

DK - don't know what they are

0- never used them

1-Used very little in teaching and learning

2-Used frequently in teaching and learning

3-Very familiar with its uses in teaching and learning

Used in learning

Used in teaching

_____ Attribute blocks _____

_____ Base ten blocks _____

_____ Colored chips _____

_____ Calculators _____

_____ Cuisenaire rods _____

_____ Decimal models _____

_____ Fraction models _____

(bars, circles, squares)

_____ Geoboards _____

_____ Geometric models _____

(solids, 3-D shapes, etc.)

_____ Interlocking cubes _____

_____ Pattern blocks _____

_____ Play money _____

_____ Tangrams _____

_____ Liter- Measurement device _____

_____ Meter sticks- Measurement device _____

_____ Scales - Measurement device _____

_____ Thermometer _____

_____ Virtual manipulatives _____

_____ Computer mathematics games _____

1-----2-----3-----4-----5
Strongly disagree Disagree Agree Strongly agree

_____ I feel confident teaching mathematics.

_____ I feel confident using technology to teach mathematics.

_____ I feel confident using manipulatives to model mathematics concepts.

How familiar are you with using Applets in mathematics?

You are planning a lesson for your students. Choose a manipulative you would incorporate into your lesson. Describe how you would use the manipulative with your students. Be certain to state the grade level you are teaching. Choose your ONE manipulative from this list: geoboards, base ten blocks, pattern blocks, fraction circles, or colored chips.

Describe your experiences (in your mathematics classes since grade school) for each of the following:

- Spreadsheet programs
- Computers in general
- Calculators

Name: _____ Period: ____ Date: _____

Student Survey Questions

Circle the one that best describes you.

1. Generally I have felt secure about attempting mathematics.

Strongly Agree Agree Neutral Disagree Strongly disagree

2. I am sure I could do advanced work in mathematics.

Strongly Agree Agree Neutral Disagree Strongly disagree

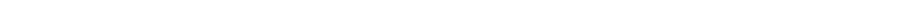
3. I am sure that I can learn mathematics.

4. I think I could handle more difficult mathematics.

Strongly Agree Agree Neutral Disagree Strongly disagree

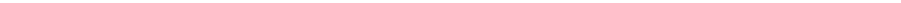
5. I can get good grades in mathematics.

Strongly Agree Agree Neutral Disagree Strongly disagree



6. I have a lot of self-confidence when it comes to mathematics.

Strongly Agree Agree Neutral Disagree Strongly disagree



7. I'm no good in math.

Strongly Agree Agree Neutral Disagree Strongly disagree

8. I don't think I could do advanced mathematics.


Strongly Agree Agree Neutral Disagree Strongly disagree

9. I'm not the type to do well in math.

Strongly Agree Agree Neutral Disagree Strongly disagree


- 10 For some reason even though I study, math seems unusually hard for me.

Strongly Agree Agree Neutral Disagree Strongly disagree




11. Most subjects I can handle O.K., but I have a knack for messing up math.

Strongly Agree Agree Neutral Disagree Strongly disagree



12. Math has been my worst subject.

Strongly Agree Agree Neutral Disagree Strongly disagree



13. I enjoy using computers for learning purposes.

Strongly Agree Agree Neutral Disagree Strongly disagree

