#Third Grade #3rd Grade

1. Why is place value important?
2. How are addition and subtraction related?
3. How can graphs be used to organize and compare data?
4. How can we effectively estimate numbers?
5. How are multiplication and division related?
6. How can you write a mathematical sentence to represent a multiplication or division model we have made?
7. How do estimation, multiplication, and division help us solve problems in everyday life?
8. How does understanding the properties of operations help us multiply large numbers?
9. How can area be determined without counting each square?
10. How can the knowledge of area be used to solve real world problems?
11. How can the same area measure produce rectangles with different dimensions? (Ex. 24 square units can produce a rectangle that is a 3 x 8, 4 x 6, 1 x 24, 2 x 12)
12. How does understanding the distributive property help us multiply large numbers?
13. How do the attributes help us identify the different quadrilaterals/shapes?
14. How it is possible to have a shape that has fits into more than one category?
15. What does it mean to partition a shape into parts?
16. What is the relationship between perimeter and area?
17. How are fractions used in problem-solving situations?
18. How can I compare fractions?
19. What are the important features of a unit fraction?
20. What relationships can I discover about fractions?

*Telling Time…*

1. What strategies can I use to help me tell and write time to the nearest minute and measure time intervals in minutes?
2. How can I use what I know about number lines to help me figure out how much time has passed between two events?

*Liquid Volume and Mass…*

1. What happens when your units of measure change?
2. Why is it important to know the mass of an object?
3. In what ways can we determine the mass of an object?
4. What units are appropriate to measure mass?
5. How are units in the same system of measurement related?
6. What strategies could you use to figure out the mass of multiple objects?
7. What are some ways I can measure the liquid volume?

*Graphing and Data…*

1. How are tables, bar graphs, and line plot graphs useful ways to display data?
2. How can you use graphs to answer a question?
3. How can surveys be used to collect data?
4. How can surveys be used to gather information?
5. How can graphs be used to display data gathered from a survey?