Name _____ Age ____ Date _____

School _____ Teacher _____ Grade _____

Question	Abilities	Challenges
1 Forward/Backward off a Non-Zero #	☐ Counts by 10's from 67. 67 77 87 97 107 117 127 ☐ Counts by 100's from 508. 508 608 708 808 908 1008 1108 ☐ Counts back by 10's from 128. 128 118 108 98 88 ☐ Counts back by 100's from 1,236. 1236 1136 1036 936 836 736	
2 Ordering Numbers	Correctly reads… ☐ 308,806 ☐ 500,309 ☐ 1,088,349 ☐ 1,574,615 ☐ 3,371,308 ☐ Orders #'s least to greatest. ☐ Identifies 308,806 as lowest. ☐ Reason: _____ _____	
3 Equality	☐ Knows that 6 should go in the box. ☐ Student uses the idea of balance or equality in their reason.	☐ 8 + 3 = 11 ☐ 8 + 3 + 5 = 16
4 Inverse Operations	☐ Reads 67+33. ☐ Answers 100. Strategy_____ _____ ☐ Reads 100-67. ☐ Answers 33. Strategy_____ _____ ☐ Recognizes inverse relationship between the two number sentences.	

5 Addition/Subtraction Strategies (w/ estimation)	☐ Estimates between 900-1000. ☐ Reason: _____ _____ ☐ Estimates between 2-6. ☐ Reason: _____ _____	
6 Multiplication and Division	☐ **8 x 7 = 56** Known Fact – Skip counts – Derived Fact ☐ **56 ÷ 8 = 7** Uses relationship – Solves separately ☐ **15 x 3 = 45** Known Fact – Skip counts – Derived Fact ☐ **16 x 3** Uses relationship (1 more group of 3) – Solves separately	
7 Multiplication and Division Word Problems	☐ **20 ÷ 5 = 4** Known Fact – Skip counts – Derived Fact ☐ **28 ÷ 12 = 2R4 (3 cartons)** Known Fact – Skip counts – Derived Fact ☐ Understood remainder. ☐ **36 ÷ 4 = 9** Known Fact – Skip counts – Derived Fact	☐ Didn't understand remainder.
8 Time: Calendar **Possible Follow-up Questions:** *How do you know?*	☐ Sally's birthday is on Thursday. ☐ Her mother's birthday is May 17th. ☐ Counted the days. ☐ Counted down by weeks. ☐ Added numerically.	☐ Counted the days starting on the 3rd.
9 Time: Clocks	☐ 2:42 ☐ 4:08 ☐ 6:51 ☐ ten minutes past five ☐ quarter to seven ☐ eight minutes to three ☐ Correctly reads 10:35. ☐ Leaves the park at 11:05.	Shows time as: ☐ _____ ☐ _____ ☐ _____ ☐ States time as _____. ☐ Leaves the park at _____.

10 Length	☐ Crayon is 8cm long. ☐ Counted the spaces. ☐ 11-3 = 8 ☐ 3 + 8 = 11 ☐ _____ in. _____ cm ☐ Gives answer in whole numbers. ☐ Uses fractional parts. ☐ Measures accurately.	☐ 3cm ☐ 11cm ☐ I looked at the end of the crayon. ☐ _____ in. _____ cm ☐ Uses wrong side of ruler. ☐ Does not start at zero point of ruler.
11a Area/Perimeter	☐ Perimeter = 22ft. ☐ Counts around the edge. ☐ Adds pieces. ☐ Other: _____ ☐ Area = 26 sq.ft. ☐ Counts boxes. ☐ Uses arrays. ☐ Other: _____	☐ Perimeter _____ft. ☐ Confuses area and perimeter. Not familiar with concept. ☐ Area _____ sq.ft. ☐ Confuses area and perimeter. ☐ Not familiar with concept.
11b Area/Perimeter	☐ Area = 45 sq.cm ☐ Counts boxes. ☐ Uses 9x5. ☐ Other: _____ ☐ Perimeter = 28 cm ☐ Doubles 9+5. ☐ Fills in missing sides and adds. ☐ Other: _____	☐ Area _____ft. ☐ Confuses area and perimeter. ☐ Adds instead of multiplies. Not familiar with concept. ☐ Perimeter _____ sq.ft. ☐ Confuses area and perimeter. ☐ Uses only two sides. ☐ Not familiar with concept.
12 Fractions	☐ Locates ¾ on number line. Reason: _____ _____ ☐ More girls. ☐ 1/3 is smaller than 1/2. ☐ If 1/3 are boys (less), 2/3 are girls (more).	☐ Does not recognize ¾ as less than one whole. ☐ More boys. ☐ Reason: _____ _____

NOTES:

Counting (1)

Place Value (2)

Addition and Subtraction (3-5)

Multiplication and Division (6-7)

Measurement (8-11)

Fractions (12)