Assessment Task NBT & MD Q1

Conner wants to give $25 to help kids who need school supplies. He also wants to buy a pair of shoes for $59.

1. How much money will he have to save for both?

b. Conner gets $10 a week for his allowance. He plans to save his allowance every week. How many weeks does it take him to reach this goal?

Ideas for Assessing Student Thinking:

a) (scoring to 2.NBT.5 and 2.OA.1): Students may use a variety of strategies to solve this problem. Make note of which strategy they use. 2.NBT.5 says they should use properties of operations, place value and the relationship between addition and subtraction to solve addition and subtraction problems as the end of the year goal. 2.OA.1 does not specify what strategies students must use.

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| Direct Model by Ones | Direct Model by Tens | Counting | Invented Strategies  (end of the year goal) |
| Students will make 25 and 59 with ones and count them all together.  10  ||||||||||  ||||||||||  |||||  |||||||||| 84  10  ||||||||||  ||||||||||  ||||||||||  ||||||||||  ||||||||| | Students will make 25 and 59 with tens and ones. Then count all the tens and all the ones.  10  |||||  10  10  10  10    |||||||||  84 | Students will count on from 25, by ones. Or they could start at 59 and count on 25 more by ones.  25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60…84  59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71…84 | Students may use place value:  20 + 50 = 70  5 + 9 = 14  70 + 10 + 4 = 84  Properties of operations:  59+ 10 69+10 79+1 80 +4 84 |

b) Students will need to determine how many days it will take him to earn $84. Students may count by tens to get to 80 in order to say there are 8 weeks. They will have to consider the extra $4 to say he will need to go another week (9 weeks in all) in order to pay for it all. Some students may just know that there are 8 groups of 10 in 84 and it would take one more group to pay for it all. Both strategies would be considered satisfactory progress toward the end of the year goal.