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Magic 9

To give the child and parents confidence in the program, on the initial day of assessment or soon thereafter, teach students Magic 9.

Trick for Magic 9

When adding 9 to any number from 1 through 9, reduce that number by 1 and then put a 1 in the tens place in front of it.

Here is an example of how the trick works:

To add $9 + 5$, think 1 less than 5 is 4. Place a 1 in front of the 4 and you arrive at the answer, 14.

$$9 + 5 = 14$$

Show the child visually as you explain:

1. Here is a fact adding 9 to another number, 3:

$$9 + 3 = ?$$

2. Look at the number being added to 9. It is 3.

3. What number is 1 less than 3? It is 2.

4. Now place a one in front of the 2 in the tens place.

What is the answer to $9 + 3$? It is 12.

$$\begin{array}{r} 9 \\ + 3 \\ \hline 12 \end{array}$$

This trick will work with all the basic facts in which nine is being added to another number. Show the children the following math facts so that they see the magical pattern in this trick:

$$\begin{array}{r} 9 \\ + 1 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 9 \\ + 2 \\ \hline 11 \end{array}$$

$$\begin{array}{r} 9 \\ + 3 \\ \hline 12 \end{array}$$

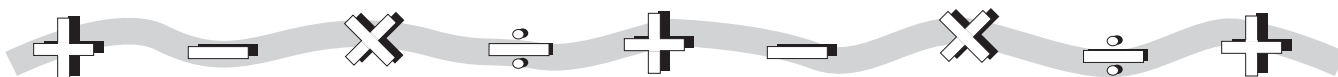
$$\begin{array}{r} 9 \\ + 4 \\ \hline 13 \end{array}$$

$$\begin{array}{r} 9 \\ + 6 \\ \hline 15 \end{array}$$

$$\begin{array}{r} 9 \\ + 7 \\ \hline 16 \end{array}$$

$$\begin{array}{r} 9 \\ + 8 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 9 \\ + 9 \\ \hline 18 \end{array}$$





Math Facts Record Keeper

Addition and Subtraction

Student Name _____

Addition Facts: + ___/81

Baseline Date _____

1 + 1 1 + 2 2 + 1 3 + 1 1 + 3 2 + 2 3 + 2 2 + 3 4 + 1 1 + 4
1 + 5 5 + 1 2 + 4 4 + 2 3 + 3 1 + 6 6 + 1 2 + 5 5 + 2 3 + 4
4 + 3 1 + 7 7 + 1 2 + 6 6 + 2 3 + 5 5 + 3 4 + 4 1 + 8 8 + 1
2 + 7 7 + 2 3 + 6 6 + 3 4 + 5 5 + 4 1 + 9 9 + 1 2 + 8 8 + 2
3 + 7 7 + 3 4 + 6 6 + 4 5 + 5 2 + 9 9 + 2 3 + 8 8 + 3 4 + 7
7 + 4 5 + 6 6 + 5 3 + 9 9 + 3 4 + 8 8 + 4 5 + 7 7 + 5 6 + 6
4 + 9 9 + 4 5 + 8 8 + 5 6 + 7 7 + 6 5 + 9 9 + 5 6 + 8 8 + 6
7 + 7 6 + 9 9 + 6 7 + 8 8 + 7 7 + 9 9 + 7 8 + 8 8 + 9 9 + 8
9 + 9

Student Name _____

Subtraction Facts: + ___/81

Baseline Date _____

2 - 1 3 - 1 3 - 2 4 - 1 4 - 2 4 - 3 5 - 1 5 - 2 5 - 3 5 - 4
6 - 1 6 - 2 6 - 3 6 - 4 6 - 5 7 - 1 7 - 2 7 - 3 7 - 4 7 - 5
7 - 6 8 - 1 8 - 2 8 - 3 8 - 4 8 - 5 8 - 6 8 - 7 9 - 1 9 - 2
9 - 3 9 - 4 9 - 5 9 - 6 9 - 7 9 - 8 10 - 1 10 - 2 10 - 3 10 - 4
10 - 5 10 - 6 10 - 7 10 - 8 10 - 9 11 - 2 11 - 3 11 - 4 11 - 5 11 - 6
11 - 7 11 - 8 11 - 9 12 - 3 12 - 4 12 - 5 12 - 6 12 - 7 12 - 8 12 - 9
13 - 4 13 - 5 13 - 6 13 - 7 13 - 8 13 - 9 14 - 5 14 - 6 14 - 7 14 - 8
14 - 9 15 - 6 15 - 7 15 - 8 15 - 9 16 - 7 16 - 8 16 - 9 17 - 8 17 - 9
18 - 9

