**Mental Math Practice**

**Front-end for Multiplication**

Front-end multiplication is a strategy used to multiply when one factor is a single digit. Start by multiplying your tens or hundreds then multiply your ones and then add them together.

Example: To solve 24 x 5, we can think of 24 as 20 + 4. Then we can solve 20 x 5, and 4 x 5 and add them together.

(20 x 5) + (4 x 5)

100 + 20 = 120

Example 2: To solve 325 x 4, we can think of 325 as 300 + 20 + 5. Then we can solve 300 x 4, 20 x 4 and 5 x 4 and add then together.

(300 x 4) + (20 x 4) + (5 x 4)

1200 + 80 + 20 = 1300

Practice: How many can you do in 3 minutes? Score:\_\_\_\_\_\_\_\_\_

1. 23 x 6 = \_\_\_\_\_\_\_
2. 5 x 45 = \_\_\_\_\_\_
3. 7 x 28 =\_\_\_\_\_\_\_
4. 15 x 7 = \_\_\_\_\_
5. 6 x 46 = \_\_\_\_\_
6. 5 x 25 =\_\_\_\_\_
7. 85 x 3 = \_\_\_\_\_
8. 4 x 29 = \_\_\_\_\_\_
9. 8 x 43 = \_\_\_\_\_\_
10. 6 x 425 = \_\_\_\_\_\_
11. 5 x 125 = \_\_\_\_\_\_
12. 7 x 420 = \_\_\_\_\_\_