Finger Products

Chisenbop is an ancient computation method using your fingers. You can use Chisenbop to multiply when 9 is a factor. The product $9 \times 2$ is shown below as an example.

**Step 1:** Hold your hands up with the palms facing you. Mentally assign each of your fingers a number 1–10 as shown.

**Step 2:** Find the factor that is NOT 9 in your multiplication problem. Bend that number’s finger down. So, for $9 \times 2$, you should bend your #2 finger down as shown.

**Step 3:** Count the fingers to the left of the bent finger—they are the tens in your product:
1 finger = 1 ten.

**Step 4:** Count the fingers to the right of the bent finger—they are the ones in your product:
8 fingers = 8 ones.

Your hands show 1 ten and 8 ones.
So, $9 \times 2 = 18$.

Practice the Chisenbop multiplication method with a partner. One partner should show a problem below with his or her fingers. The other partner should then find that fact below and write the product. Take turns until you have completed all of the facts on both of your pages.

1. $9 \times 3 = \underline{\hspace{1cm}}$
2. $9 \times 7 = \underline{\hspace{1cm}}$
3. $9 \times 5 = \underline{\hspace{1cm}}$
4. $9 \times 4 = \underline{\hspace{1cm}}$
5. $9 \times 2 = \underline{\hspace{1cm}}$
6. $9 \times 8 = \underline{\hspace{1cm}}$
7. $9 \times 9 = \underline{\hspace{1cm}}$
8. $9 \times 1 = \underline{\hspace{1cm}}$
9. $9 \times 6 = \underline{\hspace{1cm}}$