Feedback Question – Four Digits

Find four digits a,b,c,d with $a \neq 0$ so that:

$$abcd$$
$$\times \quad 9$$
$$\overline{dcba}$$

For this question $abcd$ and $dcba$ represent four digit numbers; this is different from the more common interpretation as the multiplication of a, b, c and d.

Explain how you arrived at your solution.

$$abcd =$$