

0 ~~1~~ ~~2~~ ~~3~~ ~~4~~ ~~5~~ ~~6~~ ~~7~~ ~~8~~ ~~9~~

$$\begin{array}{r} 5694 \\ \times \quad 3 \\ \hline 17082 \\ \hline 221 \end{array}$$

4 and 5 are the only numbers which add up to a different number under 10 while still being consecutive.  $4+5=9$ . 0, 1 & 2 are the only other set of 3 consecutive numbers. The only number between 4 and 6 which multiplies ~~to~~<sup>by 3</sup> to a number ending in 0, 1 or 2 is 4.  $4 \times 3 = 12$ .  $9 \times 3 = 27$ .  $27+1=28$ . 0 & 2 can't be in order, so 0 must be the 3rd digit. 7 is the other number in the 2 consecutive, so must go before the 0. This leaves the 1 to go in the 1th column.  $3 \times 6 = 20 - 2$ .  $3 \times 5 = 17 - 2$ . The solution is  $5,694 \times 3 = 17,082$ .