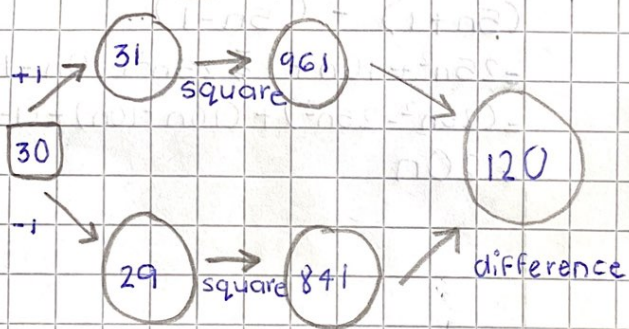
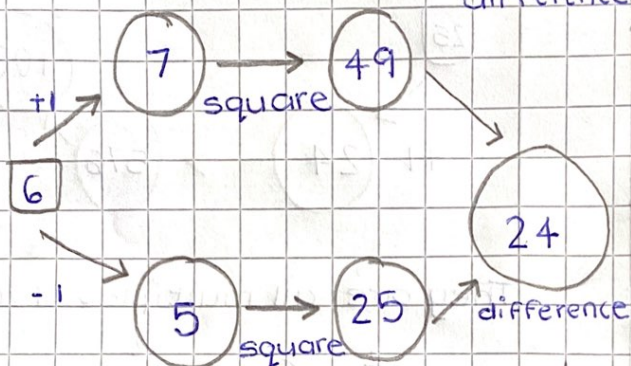
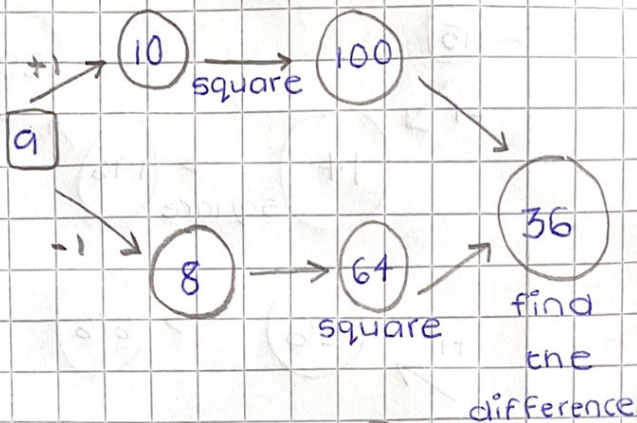


c/w

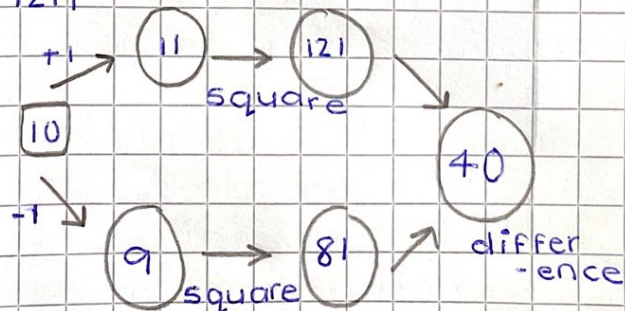
1.06.2020

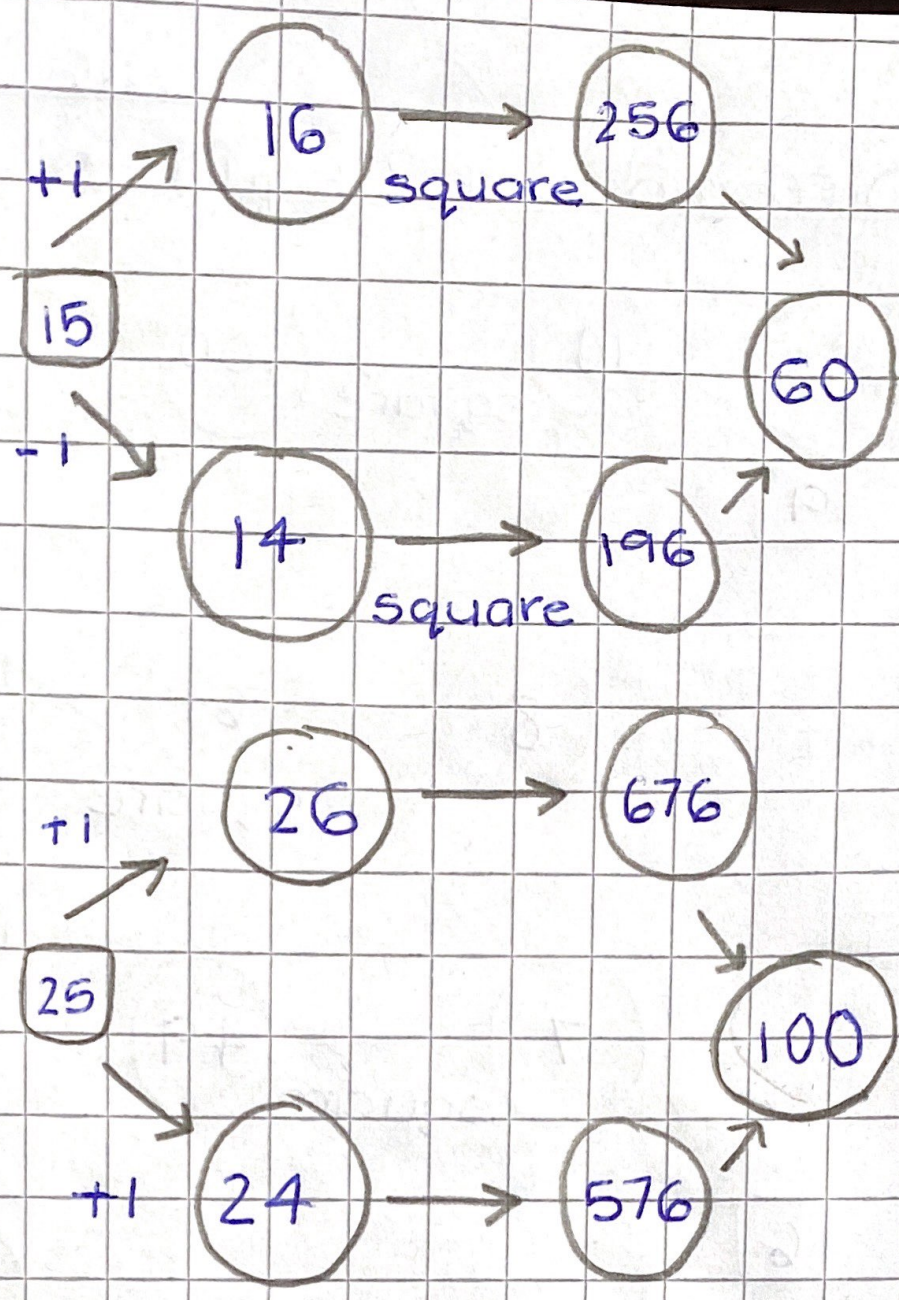
Difference of 2 squares



They are all multiples of 12.

$$\begin{aligned} & (3n+1)^2 - (3n-1)^2 \\ &= 9n^2 + 6n + 1 - 9n^2 + 6n - 1 \\ &= (9n^2 - 9n^2) + (6n + 6n) + (1 - 1) \\ &= 12n \end{aligned}$$





They are all multiples of 20.

$$\begin{aligned}
 & (5n+1)^2 - (5n-1)^2 \\
 &= 25n^2 + 10n + 1 - (25n^2 + 10n - 1) \\
 &= (25n^2 - 25n^2) + (10n + 10n) + (1 - (-1)) \\
 &= 20n
 \end{aligned}$$