$1+2+3+4+5+6+7+8+9+10 = \underline{55}$

$11+12+13+14+15+16+17+18+19+20 = \underline{155}$

$21+22+23+24+25+26+27+28+29+30 = \underline{255}$

$31+32+33+34+35+36+37+38+39+40 = \underline{355}$

$41+42+43+44+45+46+47+48+49+50 = \underline{455}$

$51+52+53+54+55+56+57+58+59+60 = \underline{555}$

$61+62+63+64+65+66+67+68+69+70 = \underline{655}$

$71+72+73+74+75+76+77+78+79+80 = \underline{755}$

$81+82+83+84+85+86+87+88+89+90 = \underline{855}$

$91+92+93+94+95+96+97+98+99+100 = \underline{955}$

$55+155+255+355+455+555+655+755+855+955 = \underline{5050}$

$$\sum_{i=1}^{100} i = 5050$$

Just to verify, $n=100$

$$\frac{n(n+1)}{2} = \frac{100(101)}{2} = \frac{10,100}{2} = 5,050$$