

NO90 Eugène Catalan

Des sommes de trois carrés parmi d'autres

$6 \cdot 1 = 6 = 4 + 1 + 1 = 2^2 + 1^2 + 1^2$	$6 \cdot 51 = 306 = 289 + 16 + 1 = 17^2 + 4^2 + 1^2$
$6 \cdot 3 = 18 = 16 + 1 + 1 = 4^2 + 1^2 + 1^2$	$6 \cdot 53 = 318 = 289 + 25 + 4 = 17^2 + 5^2 + 2^2$
$6 \cdot 5 = 30 = 25 + 4 + 1 = 5^2 + 2^2 + 1^2$	$6 \cdot 55 = 330 = 289 + 25 + 16 = 17^2 + 5^2 + 4^2$
$6 \cdot 7 = 42 = 25 + 16 + 1 = 5^2 + 4^2 + 1^2$	$6 \cdot 57 = 342 = 324 + 9 + 9 = 18^2 + 3^2 + 3^2$
$6 \cdot 9 = 54 = 25 + 25 + 4 = 5^2 + 5^2 + 2^2$	$6 \cdot 59 = 354 = 289 + 64 + 1 = 17^2 + 8^2 + 1^2$
$6 \cdot 11 = 66 = 49 + 16 + 1 = 7^2 + 4^2 + 1^2$	$6 \cdot 61 = 366 = 361 + 4 + 1 = 19^2 + 2^2 + 1^2$
$6 \cdot 13 = 78 = 49 + 25 + 4 = 7^2 + 5^2 + 2^2$	$6 \cdot 63 = 378 = 361 + 16 + 1 = 19^2 + 4^2 + 1^2$
$6 \cdot 15 = 90 = 49 + 25 + 16 = 7^2 + 5^2 + 4^2$	$6 \cdot 65 = 390 = 361 + 25 + 4 = 19^2 + 5^2 + 2^2$
$6 \cdot 17 = 102 = 100 + 1 + 1 = 10^2 + 1^2 + 1^2$	$6 \cdot 67 = 402 = 400 + 1 + 1 = 20^2 + 1^2 + 1^2$
$6 \cdot 19 = 114 = 64 + 49 + 1 = 8^2 + 7^2 + 1^2$	$6 \cdot 69 = 414 = 361 + 49 + 4 = 19^2 + 7^2 + 2^2$
$6 \cdot 21 = 126 = 100 + 25 + 1 = 10^2 + 5^2 + 1^2$	$6 \cdot 71 = 426 = 400 + 25 + 1 = 20^2 + 5^2 + 1^2$
$6 \cdot 23 = 138 = 121 + 16 + 1 = 11^2 + 4^2 + 1^2$	$6 \cdot 73 = 438 = 289 + 100 + 49 = 17^2 + 10^2 + 7^2$
$6 \cdot 25 = 150 = 121 + 25 + 4 = 11^2 + 5^2 + 2^2$	$6 \cdot 75 = 450 = 400 + 49 + 1 = 20^2 + 7^2 + 1^2$
$6 \cdot 27 = 162 = 121 + 25 + 16 = 11^2 + 5^2 + 4^2$	$6 \cdot 77 = 462 = 361 + 100 + 1 = 19^2 + 10^2 + 1^2$
$6 \cdot 29 = 174 = 169 + 4 + 1 = 13^2 + 2^2 + 1^2$	$6 \cdot 79 = 474 = 400 + 49 + 25 = 20^2 + 7^2 + 5^2$
$6 \cdot 31 = 186 = 121 + 49 + 16 = 11^2 + 7^2 + 4^2$	$6 \cdot 81 = 486 = 484 + 1 + 1 = 22^2 + 1^2 + 1^2$
$6 \cdot 33 = 198 = 196 + 1 + 1 = 14^2 + 1^2 + 1^2$	$6 \cdot 83 = 498 = 361 + 121 + 16 = 19^2 + 11^2 + 4^2$
$6 \cdot 35 = 210 = 169 + 25 + 16 = 13^2 + 5^2 + 4^2$	$6 \cdot 85 = 510 = 484 + 25 + 1 = 22^2 + 5^2 + 1^2$
$6 \cdot 37 = 222 = 196 + 25 + 1 = 14^2 + 5^2 + 1^2$	$6 \cdot 87 = 522 = 400 + 121 + 1 = 20^2 + 11^2 + 1^2$
$6 \cdot 39 = 234 = 169 + 49 + 16 = 13^2 + 7^2 + 4^2$	$6 \cdot 89 = 534 = 529 + 4 + 1 = 23^2 + 2^2 + 1^2$
$6 \cdot 41 = 246 = 196 + 25 + 25 = 14^2 + 5^2 + 5^2$	$6 \cdot 91 = 546 = 529 + 16 + 1 = 23^2 + 4^2 + 1^2$
$6 \cdot 43 = 258 = 256 + 1 + 1 = 16^2 + 1^2 + 1^2$	$6 \cdot 93 = 558 = 529 + 25 + 4 = 23^2 + 5^2 + 2^2$
$6 \cdot 45 = 270 = 225 + 36 + 9 = 15^2 + 6^2 + 3^2$	$6 \cdot 95 = 570 = 400 + 169 + 1 = 20^2 + 13^2 + 1^2$
$6 \cdot 47 = 282 = 256 + 25 + 1 = 16^2 + 5^2 + 1^2$	$6 \cdot 97 = 582 = 529 + 49 + 4 = 23^2 + 7^2 + 2^2$
$6 \cdot 49 = 294 = 289 + 4 + 1 = 17^2 + 2^2 + 1^2$	$6 \cdot 99 = 594 = 529 + 64 + 1 = 23^2 + 8^2 + 1^2$