

160 Ternas Pitagóricas Primitivas: $b^2 + c^2 = a^2$

(3,4,5)	(20,99,101)	(84,187,205)	(207,224,305)	(120,391,409)	(336,377,505)	(35,612,613)	(260,651,701)	(280,759,809)	(533,756,925)
(5,12,13)	(60,91,109)	(133,156,205)	(25,312,313)	(29,420,421)	(217,456,505)	(105,608,617)	(259,660,709)	(429,700,821)	(43,924,925)
(8,15,17)	(15,112,113)	(140,171,221)	(75,308,317)	(297,304,425)	(220,459,509)	(336,527,625)	(364,627,725)	(540,629,829)	(129,920,929)
(7,24,25)	(44,117,125)	(21,220,221)	(36,323,325)	(87,416,425)	(279,440,521)	(100,621,629)	(333,644,725)	(41,840,841)	(215,912,937)
(20,21,29)	(88,105,137)	(60,221,229)	(204,253,325)	(145,408,433)	(92,525,533)	(429,460,629)	(108,725,733)	(116,837,845)	(580,741,941)
(12,35,37)	(24,143,145)	(105,208,233)	(175,288,337)	(84,437,445)	(308,435,533)	(200,609,641)	(216,713,745)	(123,836,845)	(420,851,949)
(9,40,41)	(17,144,145)	(120,209,241)	(180,299,349)	(203,396,445)	(341,420,541)	(315,572,653)	(407,624,745)	(205,828,853)	(301,900,949)
(28,45,53)	(51,140,149)	(32,255,257)	(225,272,353)	(280,351,449)	(184,513,545)	(300,589,661)	(468,595,757)	(232,825,857)	(615,728,953)
(11,60,61)	(85,132,157)	(96,247,265)	(76,357,365)	(168,425,457)	(33,544,545)	(385,552,673)	(39,760,761)	(504,703,865)	(124,957,965)
(16,63,65)	(119,120,169)	(23,264,265)	(27,364,365)	(261,380,461)	(165,532,557)	(52,675,677)	(481,600,769)	(287,816,865)	(387,884,965)
(33,56,65)	(52,165,173)	(69,260,269)	(252,275,373)	(319,360,481)	(276,493,565)	(156,667,685)	(195,748,773)	(348,805,877)	(248,945,977)
(48,55,73)	(19,180,181)	(115,252,277)	(152,345,377)	(31,480,481)	(396,403,565)	(37,684,685)	(56,783,785)	(369,800,881)	(696,697,985)
(36,77,85)	(104,153,185)	(160,231,281)	(135,352,377)	(44,483,485)	(231,520,569)	(400,561,689)	(273,736,785)	(60,899,901)	(473,864,985)
(13,84,85)	(57,176,185)	(161,240,289)	(189,340,389)	(93,476,485)	(48,575,577)	(111,680,689)	(168,775,793)	(451,780,901)	(372,925,997)
(39,80,89)	(95,168,193)	(68,285,293)	(228,325,397)	(132,475,493)	(368,465,593)	(455,528,697)	(432,665,793)	(464,777,905)	(559,840,1009)
(65,72,97)	(28,195,197)	(136,273,305)	(40,399,401)	(155,468,493)	(240,551,601)	(185,672,697)	(555,572,797)	(616,663,905)	(45,1012,1013)

– Euclides demostró que hay infinitas ternas pitagóricas.

– Cada terna pitagórica primitiva puede construirse a partir de dos números enteros positivos p y q primos relativos (su MCD=1), de distinta paridad y con $p > q$.

– El resto de ternas pitagóricas se obtienen a partir de alguna de las primitivas multiplicando todos los elementos de la misma por un número k .

Forma de construcción: $(2pq, p^2 - q^2, p^2 + q^2)$