

# Quick Test - Types of numbers

1. Sarah thinks of a number. She calculates the square of the number is 289. What is the number?

2. Number 1 is the first odd, square, cube and triangle number.

a) Which is greater: the fourth odd number, the fourth square number or the fourth cube number?

b) Write down the prime factors of the fourth triangle number.

3. The following sequences are described in words. Write their first four terms.

a) The prime numbers starting from 13

b) The squares of odd numbers starting from  $5^2 = 25$

c) The triangular numbers starting from 15

4. What is the largest prime less than 400?

5. How many prime numbers are even?

6. In the ten x ten square

a) Ring all the prime numbers

b) Among the prime numbers between 10 and 100, find three which are still prime when their digits are reversed.

c) Why is 27 not a prime number?

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100