

# T-totals: Instructions

Looking at this T-shape drawn on a 9 by 9 number grid

The total of the numbers inside the T-shape is  $1 + 2 + 3 + 11 + 20 = 37$ .

This is called the **T-total**.

The number at the bottom of the T-shape is called the T-number.

The T-number for this T-shape is 20.

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

Translate the T-shape to different positions on the grid.

Investigate the relationship between the T-total and the T-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