House Numbers

On my street, the houses on one side of the street are numbered 1, 2, 3, 4 and so on.
The houses on the other side of the street are numbered backwards, so that the house with the largest number is opposite house number 1.

- My house number is 12
and I live opposite house number 29.
How many houses are on my street?

- If the houses are re-numbered so that one side of the street is the even numbers 2, 4, 6 and so on
and the other side of the street is the odd numbers with the largest odd number opposite house number 2,
which house number will be opposite mine?

Learning and Teaching Objectives

- Identify the given information and represent it in another way
- Use drawings or annotations to help visualise the problem
- Choose and use an appropriate method of recording

House Numbers Solution

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21

2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
39	37	35	33	31	29	27	25	23	21	19	17	15	13	11	9	7	5	3	1