

VEX CODE VR Activities



Cross Every Number

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

Playground: Numbered Grid Map

Challenges:

Level 1: Program the VR Robot to cross off each number from 1-100 in any order. Use the Pen to mark each number as the VR Robot passes through.

Level 2: Program the VR Robot to cross off each number from 1-100 in numerical order. Use the Pen to mark each number as the VR Robot passes through.

Level 3: Program the VR Robot to cross off each number from 1-100 in alternating colors. Use the Pen to mark each odd number red and each even number blue as the VR Robot passes through.

Helpful Hints:

- Each square in the Numbered Grid Map measures 200mm by 200mm.

- Want to use less blocks? Try including blocks from the Control category like the *Repeat* block.



- Matching Python command:

```
for repeat_count in range(10):
```

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