

Points 4: choose one of two options

### Option 1

1. Declare a numerical variable and set value to 7.
2. Print zeros in size  $n \times n$  like this (1 point):

```
0000000
0000000
0000000
0000000
0000000
0000000
0000000
```

3. Print diagonal using + across zeros (1 point):

```
+000000
0+00000
00+0000
000+000
0000+00
00000+0
000000+
```

4. Print borders using = (1 point)

```
=====
=+0000=
=0+000=
=00+00=
=000+0=
=0000+=
=====
```

Rule: your solution must work with different values of  $n$  (we assume  $n \geq 1$ ), i.e.  $n=20$ :

```
=====
=+00000000000000000000=
=0+0000000000000000000=
=00+0000000000000000000=
=000+000000000000000000=
=0000+00000000000000000=
=00000+0000000000000000=
=000000+000000000000000=
=0000000+00000000000000=
=00000000+0000000000000=
=000000000+000000000000=
=0000000000+00000000000=
=00000000000+0000000000=
=000000000000+000000000=
=0000000000000+00000000=
=00000000000000+0000000=
=000000000000000+000000=
=0000000000000000+00000=
=00000000000000000+0000=
=000000000000000000+000=
=0000000000000000000+0=
=00000000000000000000+=
=====
```

## Option 2

1. Declare two numerical variables: x and y (i.e. with values: 8 and 4)
2. Print x rows of y columns where:
  - a. First element is row number
  - b. Each next element in column is a next power of a column before

Example:

1	1	1	1
2	4	8	16
3	9	27	81
4	16	64	256
5	25	125	625
6	36	216	1296
7	49	343	2401
8	64	512	4096

You can use `Math.pow(x,y)`