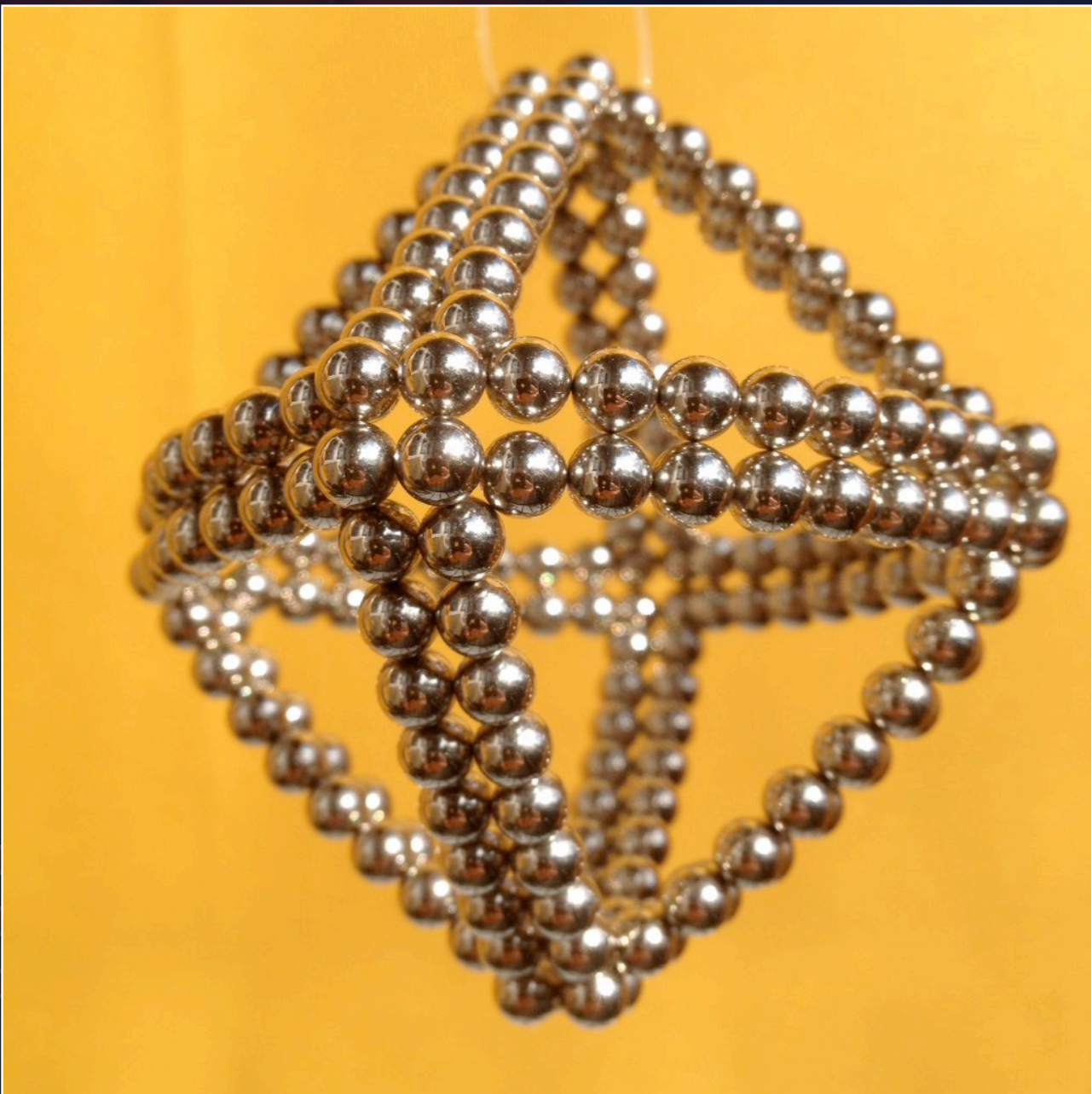
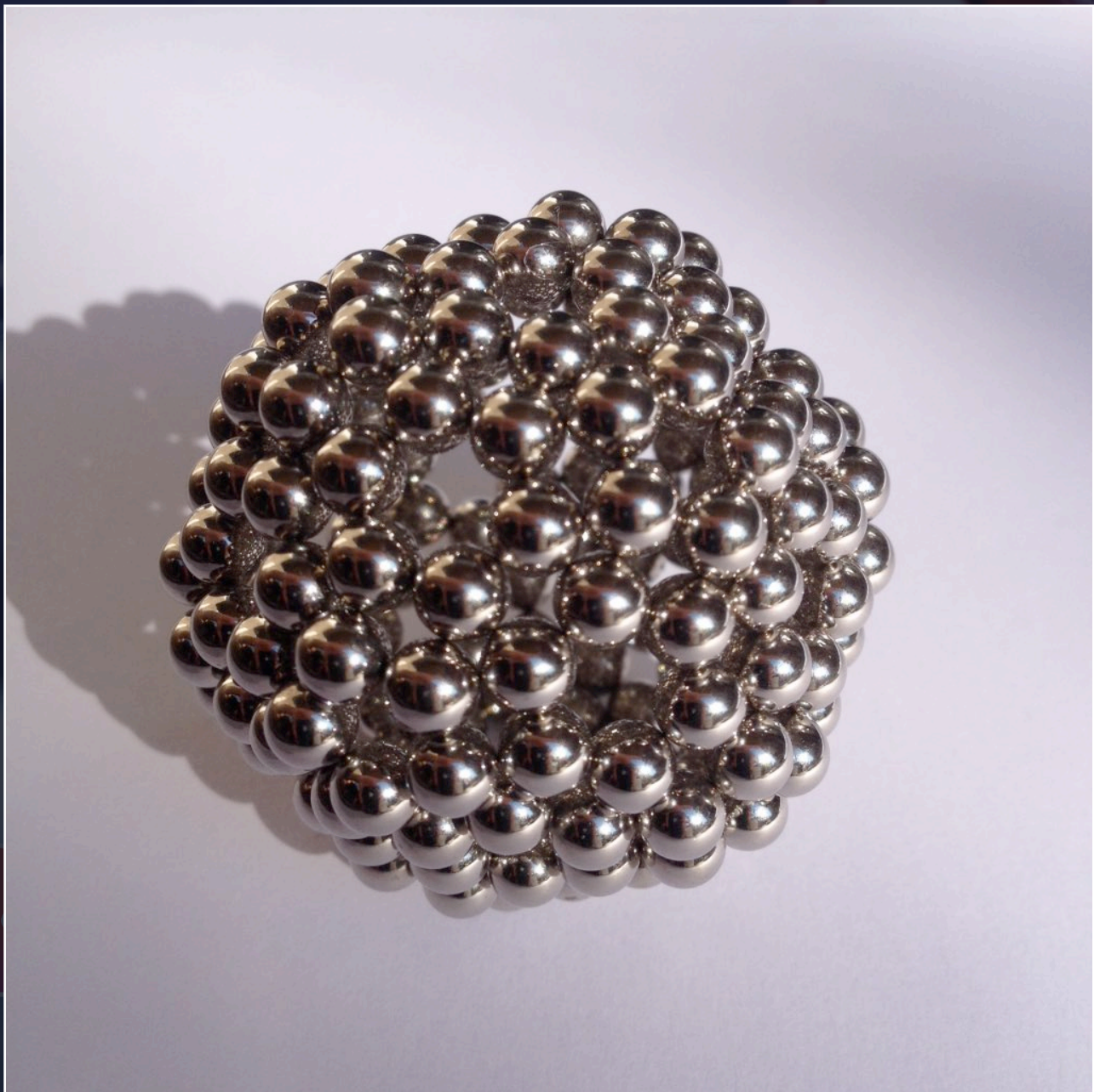
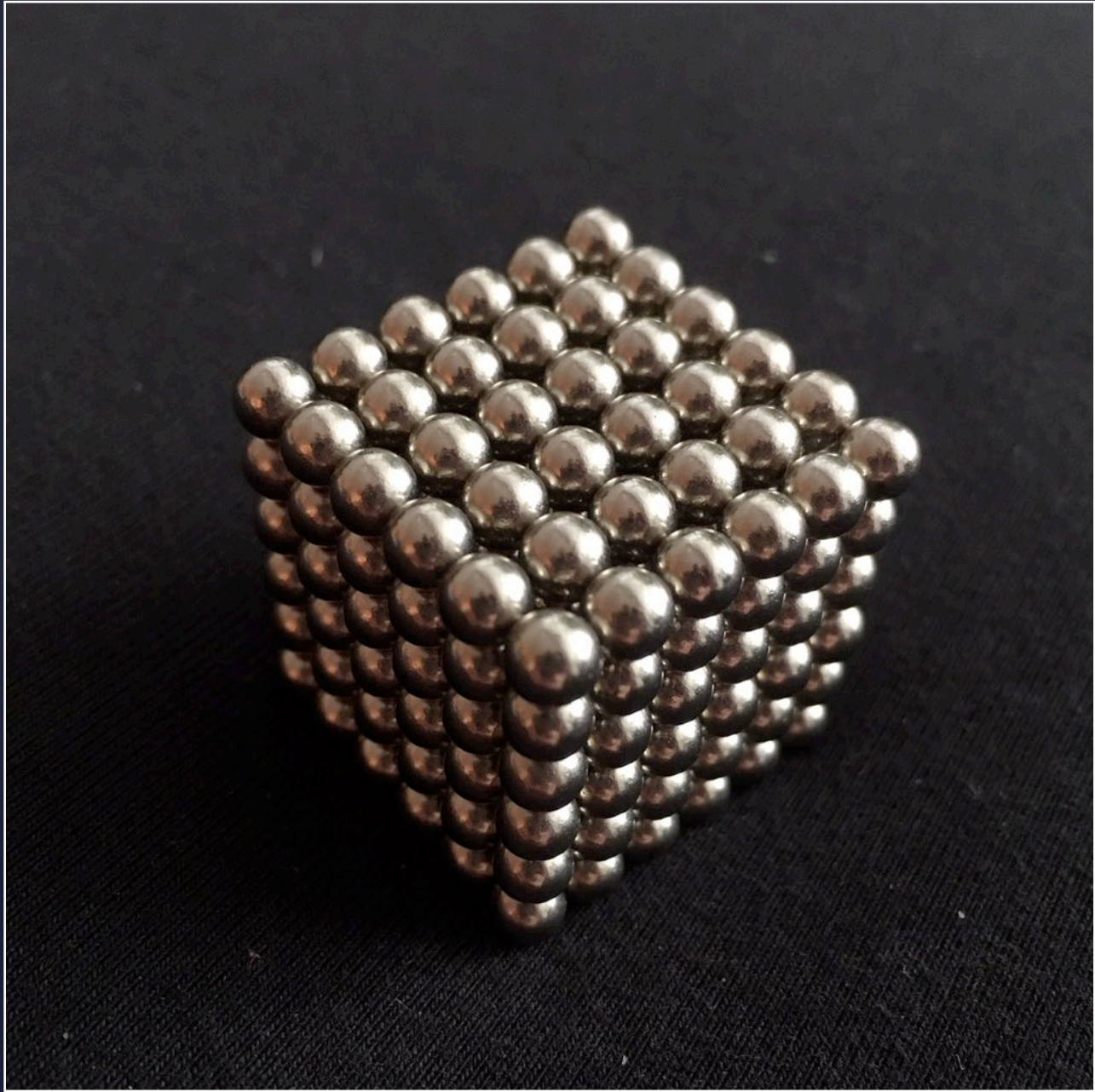













ROLL OF THE DICE



 HTML  

 CSS  

 JS  

```
1 ▶ const images = [↔];  
28  
29 // wrong implementation, no equal distribution  
30 // const randomIndex = Math.round(Math.random() * (images.length - 1));  
31  
32 // correct implementation, equal distribution  
33 const randomIndex = Math.floor(Math.random() * images.length);  
34  
35 document.body.insertAdjacentHTML('beforeend', `  
36     
40   <p>Photo by ${images[randomIndex].creator} on Unsplash</p>  
41 `);
```

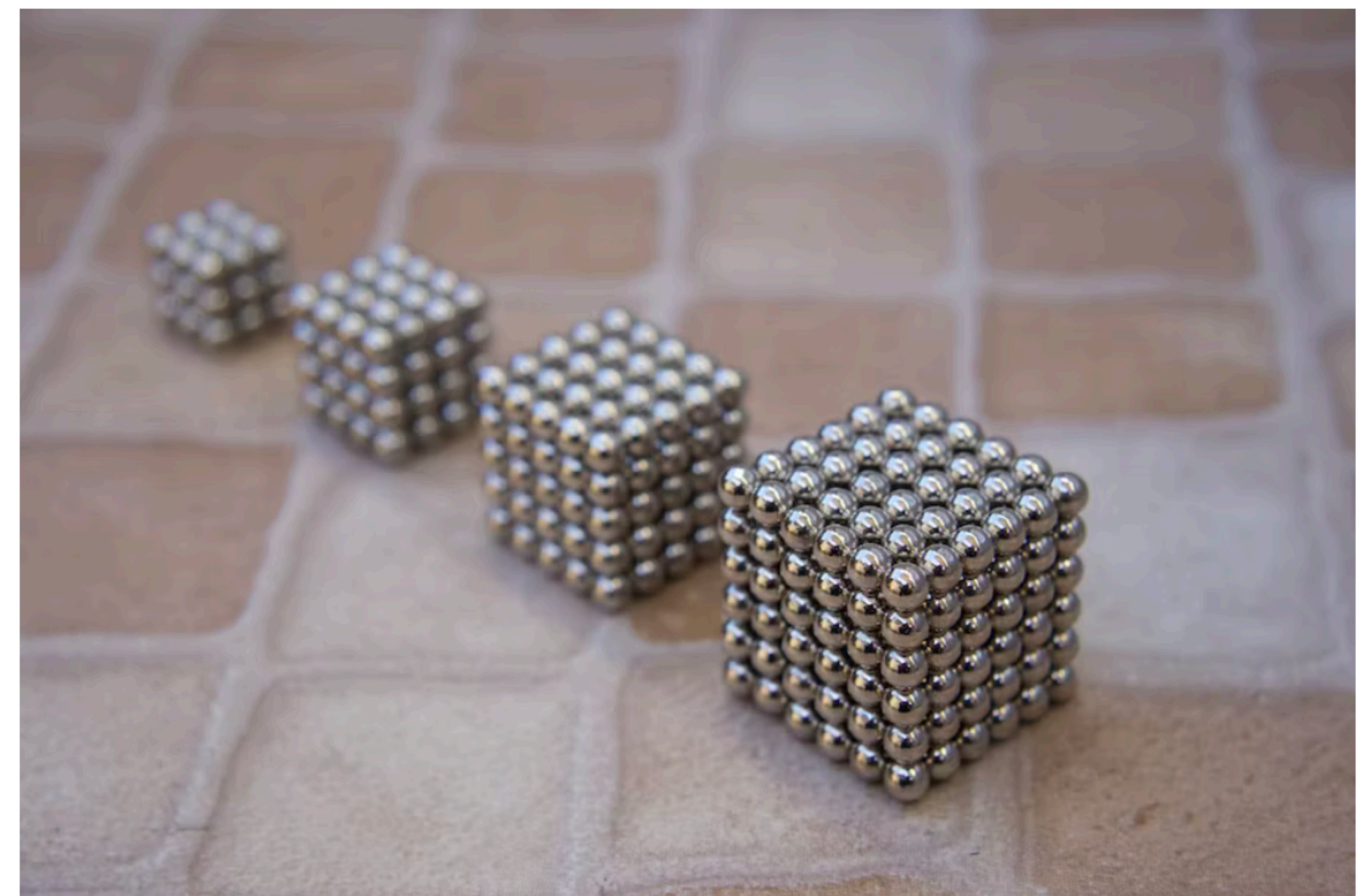
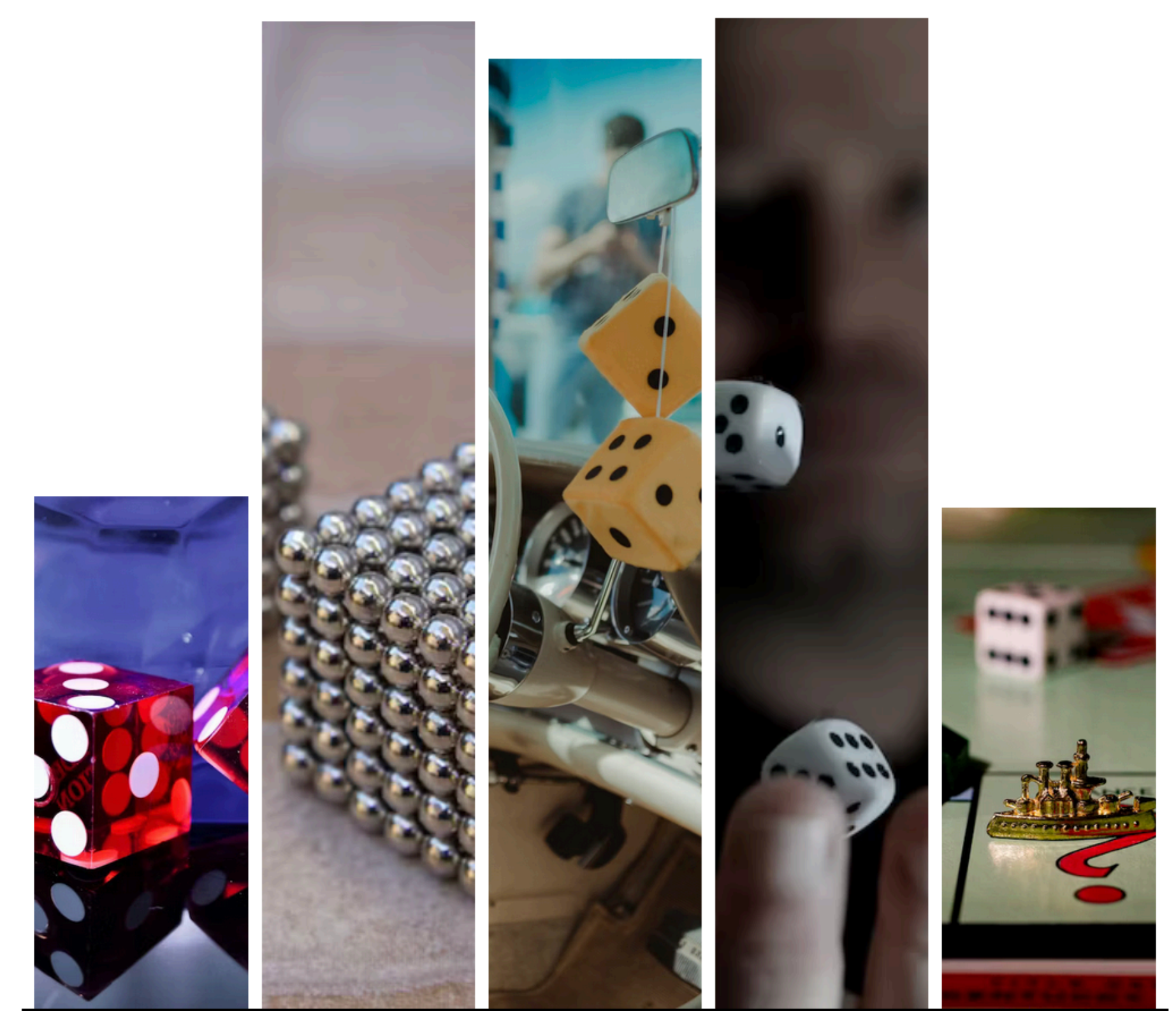


Photo by Gustavo Candido da Silva on Unsplash


```
HTML [↔]
CSS
JS

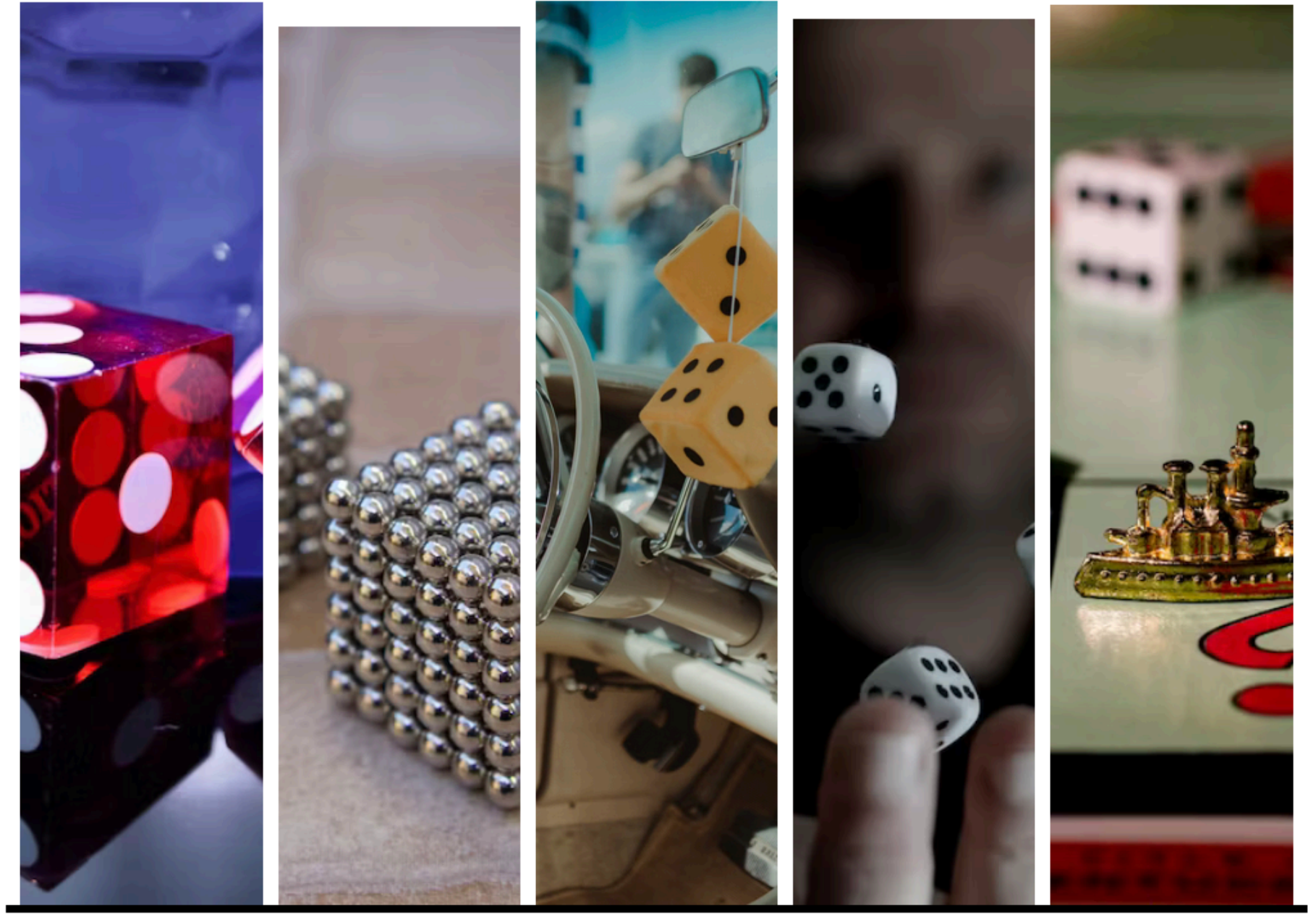
1 ▶ const images = [↔];
28
29 ▾ for (let image of images) {
30   image.frequency = 0;
31 }
32
33 const experimentsTotal = 10000;
34
35 ▾ for (let i = 0; i < experimentsTotal; i++) {
36   // wrong implementation, no equal distribution
37   const randomIndex = Math.round(Math.random() * (images.length - 1));
38   images[randomIndex].frequency++;
39 }
40
41 const diagramElement = document.querySelector('#diagram');
42 const photograpersElement = document.querySelector('#photographers');
43
44 let isFirst = true;
45 ▾ for (let image of images) {
46   diagramElement.insertAdjacentHTML('beforeend',
47     `<div style="
48     --relative-frequency: ${image.frequency / experimentsTotal};`
```



Photos by Jonathan Petersson, Gustavo Candido da Silva, Nagy Arnold, Robert Stump, Stephen Harlan on Unsplash


```
HTML [⚙️] [v]
CSS [⚙️] [v]
JS [⚙️] [v]
```

```
1 ▶ const images = [↔️];
28
29 ▼ for (let image of images) {
30   image.frequency = 0;
31 }
32
33 const experimentsTotal = 10000;
34
35 ▼ for (let i = 0; i < experimentsTotal; i++) {
36   // correct implementation, equal distribution
37   const randomIndex = Math.floor(Math.random() * images.length);
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44 let isFirst = true;
45 ▼ for (let image of images) {
46   diagramElement.insertAdjacentHTML('beforeend',
47     `<div style="
48       --relative-frequency: ${image.frequency / experimentsTotal};
```



Photos by Jonathan Petersson, Gustavo Candido da Silva, Nagy Arnold, Robert Stump, Stephen Harlan on Unsplash

Tobias,

```
var nr = Math.round(Math.random()*(anzahl-1));
```

Das ergibt folgende Wahrscheinlichkeiten:

bootssteg.jpg 1/8

drachenboote.jpg 1/4

sattelplatz.jpg 1/4

vereinsgelaende.jpg 1/4

zweierrennen.jpg 1/8

Wolltest du Gleichverteilung erreichen?

Gunnar

--

„Solang wir noch tanzen können
und richtig echte Tränen flennen,
ist noch alles offen,
ist noch alles drin.“

(Gundermann)

Zufallsbilder

Gunnar Bittersmann 2005-01-07 01:34 [html](#)



einklappen

archivierter Beitrag

Was ist an den fünf Häufigkeiten gleich?
Du bekommst die gleichen Wahrscheinlichkeiten für jedes Bild.
**argh* :-)*

Tobias,

Dass die Bilder gleich häufig auftreten, ist unwahrscheinlich.

Dass die Bilder gleich wahrscheinlich auftreten, ist dagegen häufig.

;-)

Gunnar

--

„Solang wir noch tanzen können
und richtig echte Tränen flennen,
ist noch alles offen,
ist noch alles drin.“

(Gundermann)

Beitrag melden



markiere Beitrag als ungelogen

Beitrag als interessant markieren

Adventskalender

21

11

6

22

5

20

4

23

13

24

17

19

15

8

2

1

10

7

3

9

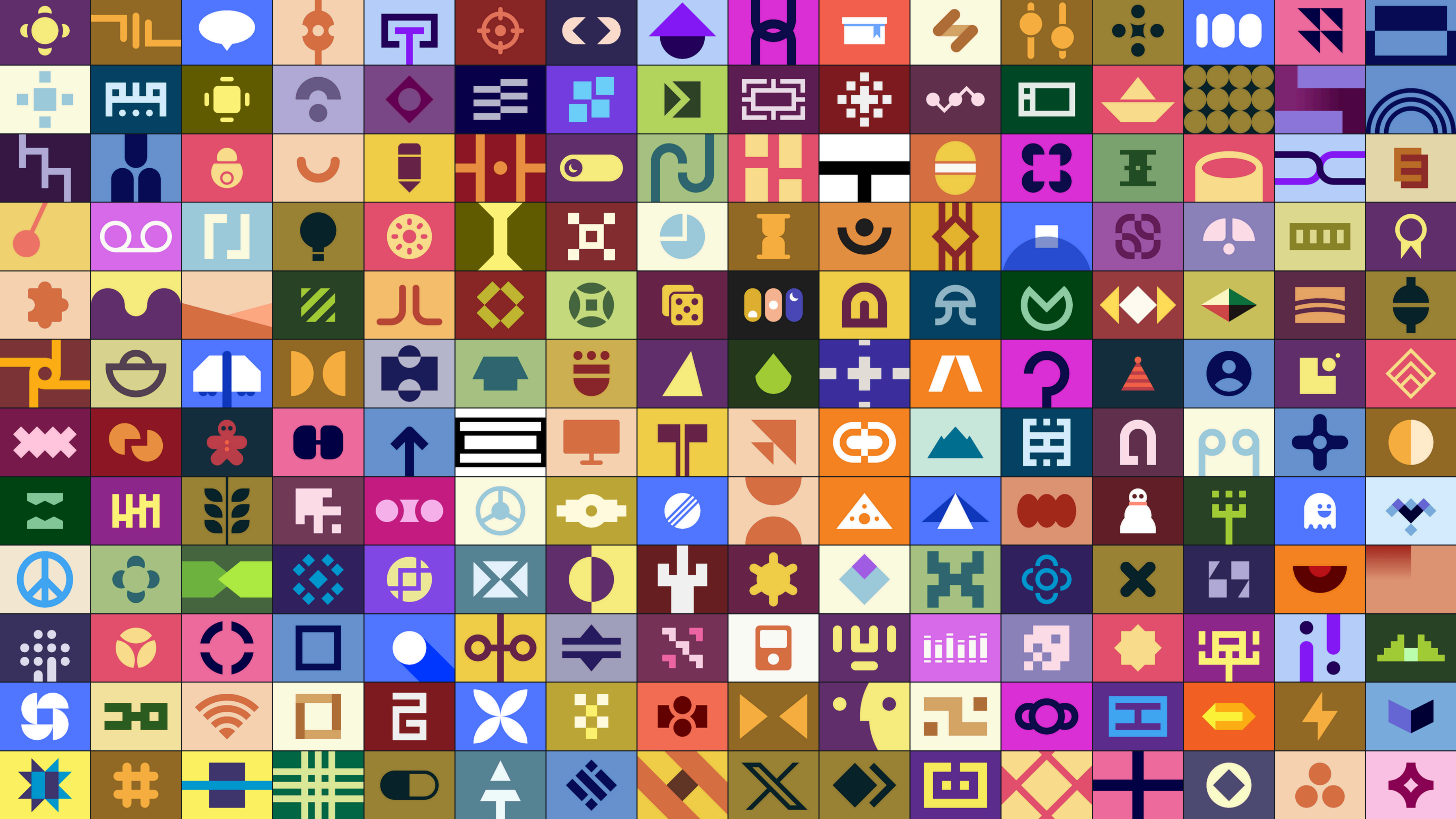
12

14

16

18






```
// naïve method
// biased, DO NOT USE!
Array.prototype.shuffle = function() {
  this.sort(() => Math.random() - 0.5);
};
```



```
// Fisher–Yates shuffle
// (a/k/a Knuth shuffle or Durstenfeld shuffle)
Array.prototype.shuffle = function() {
  for (let i = this.length - 1; i > 0; i--) {
    const j = Math.floor(Math.random() * (i + 1));
    const aux = this[i];
    this[i] = this[j];
    this[j] = aux;
  }
};
```



```
// Fisher–Yates shuffle
// (a/k/a Knuth shuffle or Durstenfeld shuffle)
Array.prototype.shuffle = function() {
  for (let i = this.length - 1; i > 0; i--) {
    const j = Math.floor(Math.random() * (i + 1));
    [this[i], this[j]] = [this[j], this[i]];
  }
};
```


Two red dice are shown on a dark, reflective surface. One die is upright, showing the top and front faces. The other die is tilted, showing its side and top faces. The dice are illuminated from above, creating highlights and shadows. The background is dark and slightly blurred.

“Did you lose your money?

You must have lost your money.

If you didn’t lose your money we wouldn’t be here.”

— Bruce Springsteen, intro to “Roll of the Dice”

ROLL OF THE DICE