

Tool:

Grace has only enough money to buy them for a maximum of ten days.

Apple: 40% (1, 2, 3, 4)

Pineapple: 30% (5, 6, 7)

Grape: 20% (8, 9)

Strawberry: 10% (10)

4 symbols

①

I will do the simulation until I get at least one of each or reach 10 times.

Trial:

1	2, 2, 1, 9, 6, 10	✓ 6 times	✓
2	7, 10, 6, 2, 4, 6, 5, 8	✓ 8 times	✓
3	9, 3, 4, 2, 7, 3, 2, 6, 8, 6	✗ 10 times	②
4	4, 5, 7, 2, 4, 7, 3, 9, 6, 4	✗ "	
5	5, 6, 6, 5, 1, 1, 7, 7, 7, 2	✗ "	
6	3, 2, 1, 3, 9, 8, 10, 1, 1, 2	✗ "	
7	7, 3, 5, 8, 9, 6, 9, 8, 5, 8	✗ "	
8	3, 5, 1, 3, 6, 9, 8, 1, 10	✓ 9 times	
9	6, 5, 6, 1, 8, 9, 10	✓ 7 times	
10	1, 4, 10, 9, 9, 9, 8, 9, 4, 10, 2	✗ 10 times	③
11	10, 8, 9, 6, 1	✓ 5 times	
12	1, 10, 4, 9, 9, 6	✓ 6 times	
13	8, 7, 2, 7, 2, 10	✓ 6 times	
14	3, 5, 3, 8, 9, 5, 10	✓ 7 times	
15	4, 9, 9, 6, 4, 6, 2, 8, 8, 7	✗ 10 times	
16	8, 9, 7, 4, 8, 7, 5, 3, 6, 10	✓ 10 times	
17	9, 10, 6, 4, 9	✓ 5 times	
18	9, 6, 3, 6, 3, 10	✓ 6 times	
19	9, 2, 7, 7, 10	✓ 5 times	
20	1, 5, 10, 4	✓ 4 times	

$$\frac{154}{20} = 7.7$$

④