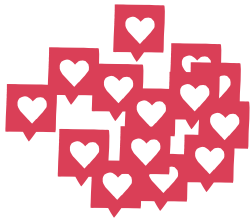
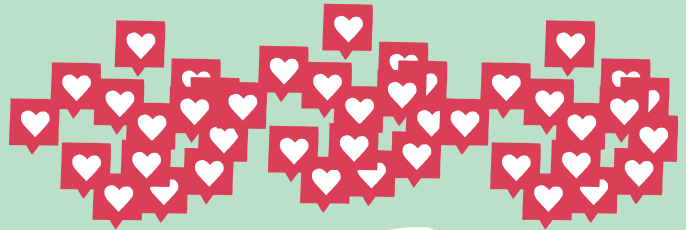


ESTIMATE and COUNT

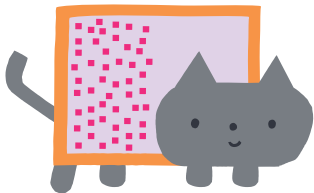
Estimate the number of objects.



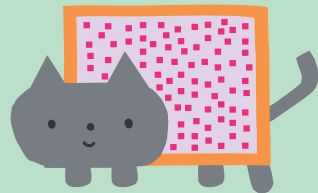
About **15** likes



About likes



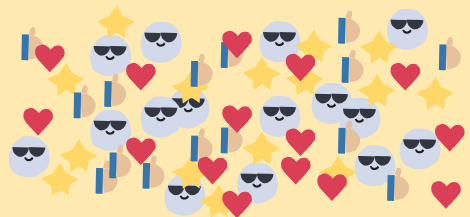
About **50** dots



About dots

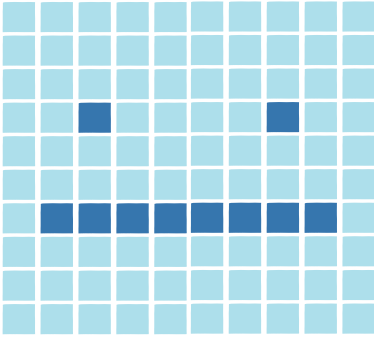


About emojis



About **60** emojis

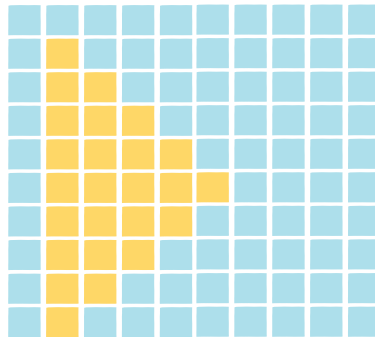
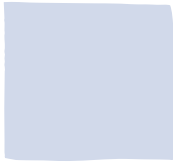
Estimate the colored pixels in each computer screen.



Estimated count:



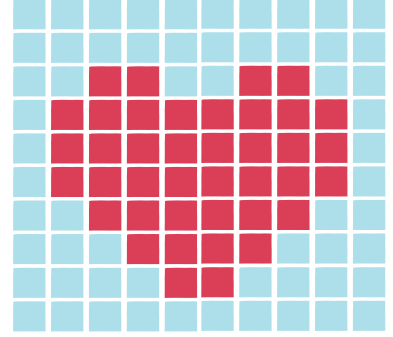
Actual count:



Estimated count:



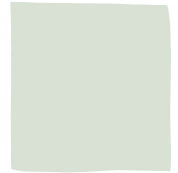
Actual count:



Estimated count:



Actual count:



Computers are incredibly fast and incredibly small and sometimes it's hard to estimate.

- How many days do you think it will take you to count to a million (non-stop, no sleeping)?
- Modern computers do up to 500 billion calculations per second. How many days would it take for us to calculate to 500 billion?
- Today computers have processors with transistors measuring only 45 nanometers. A nanometer is one-billionth of a meter. How many transistors can you estimate putting in the area of your thumb finger?

