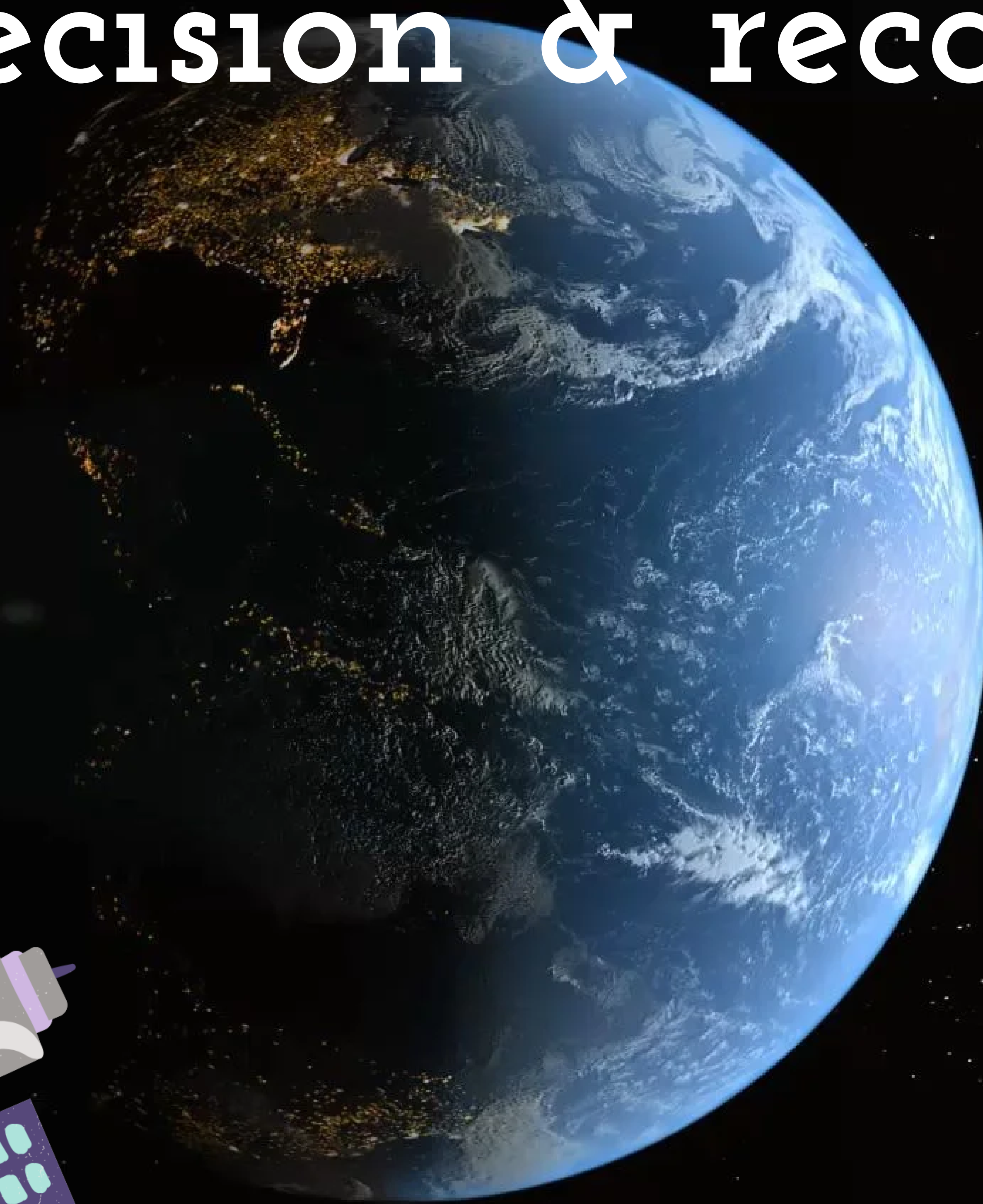
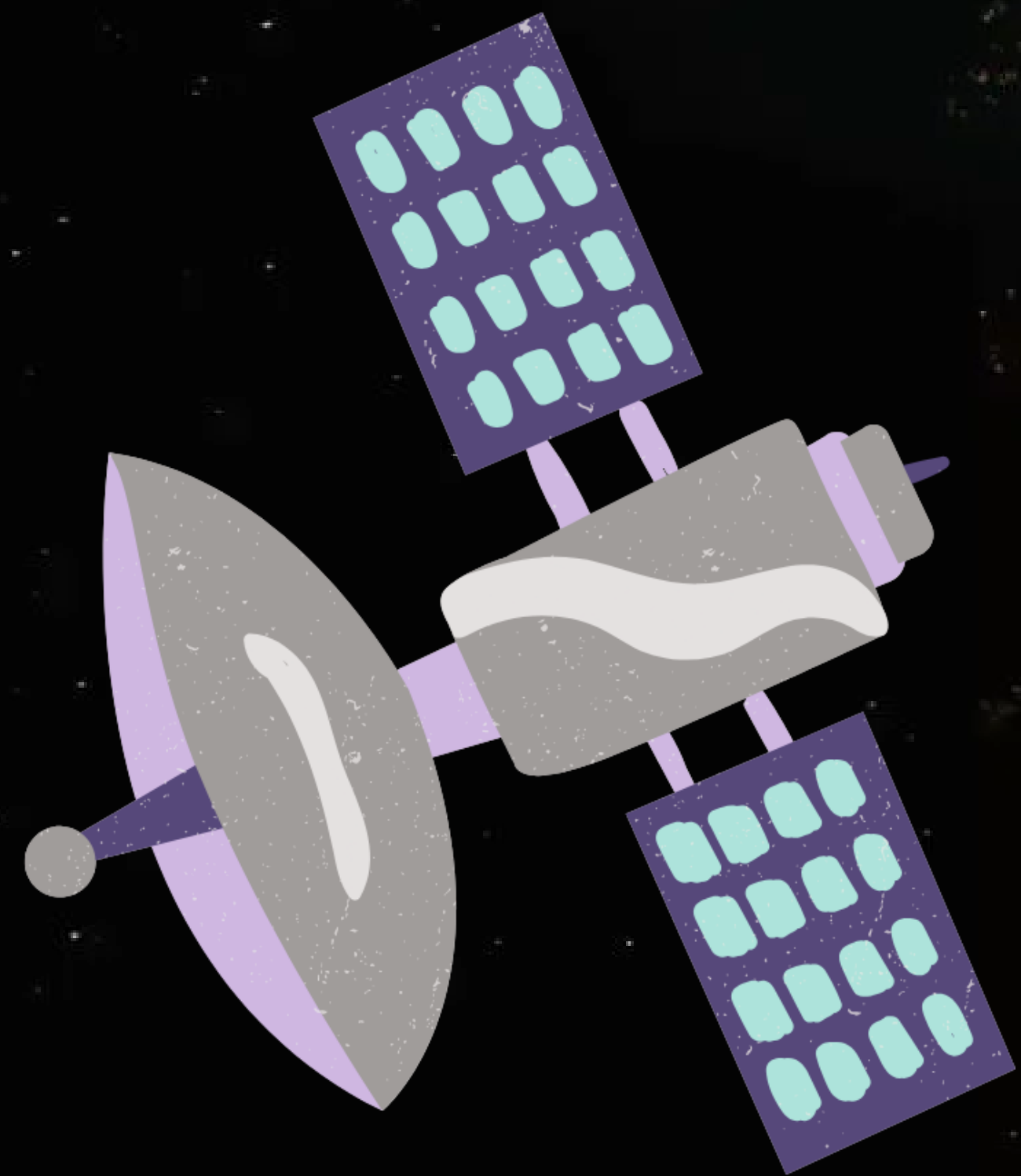


Precision & recall

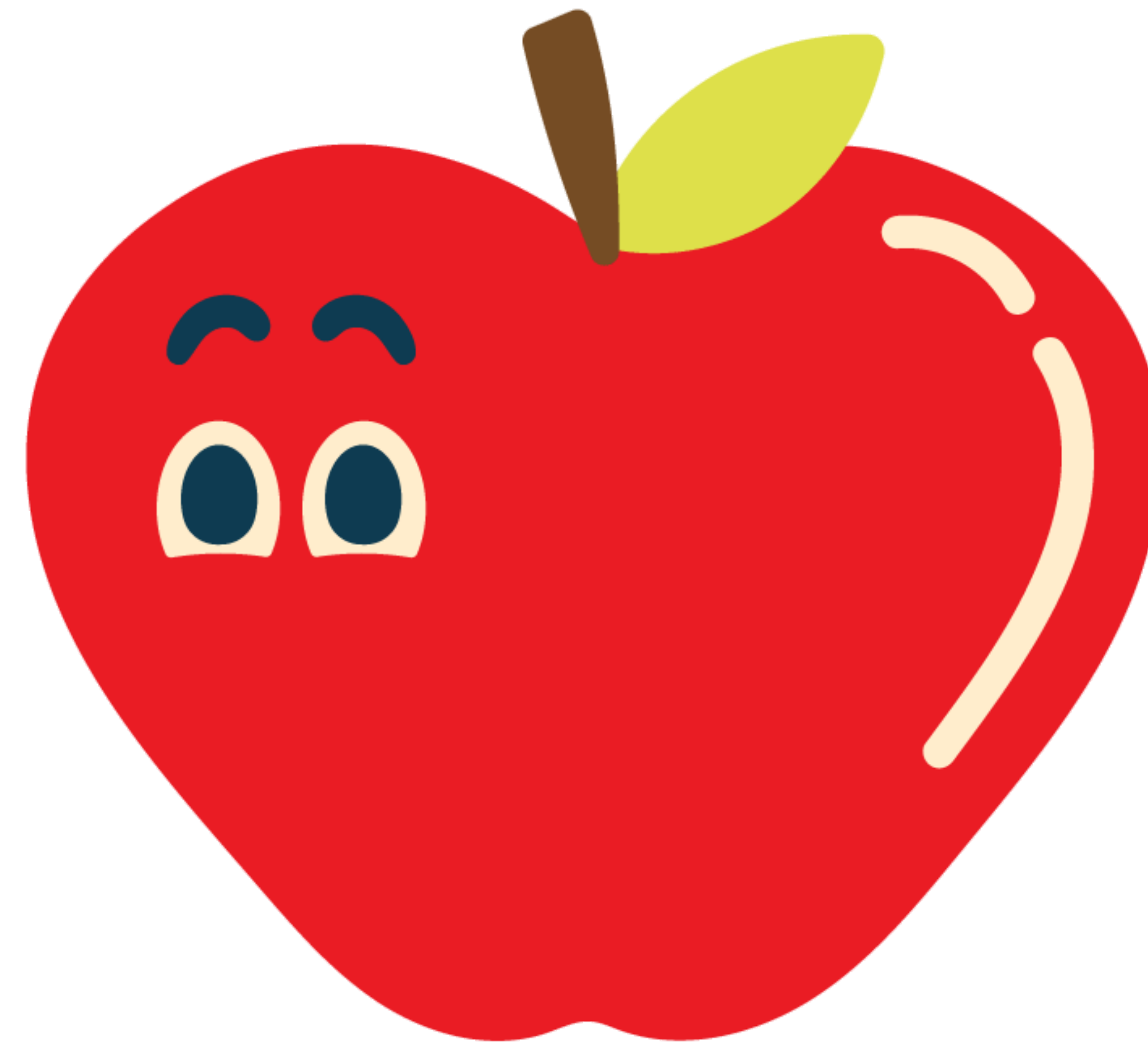
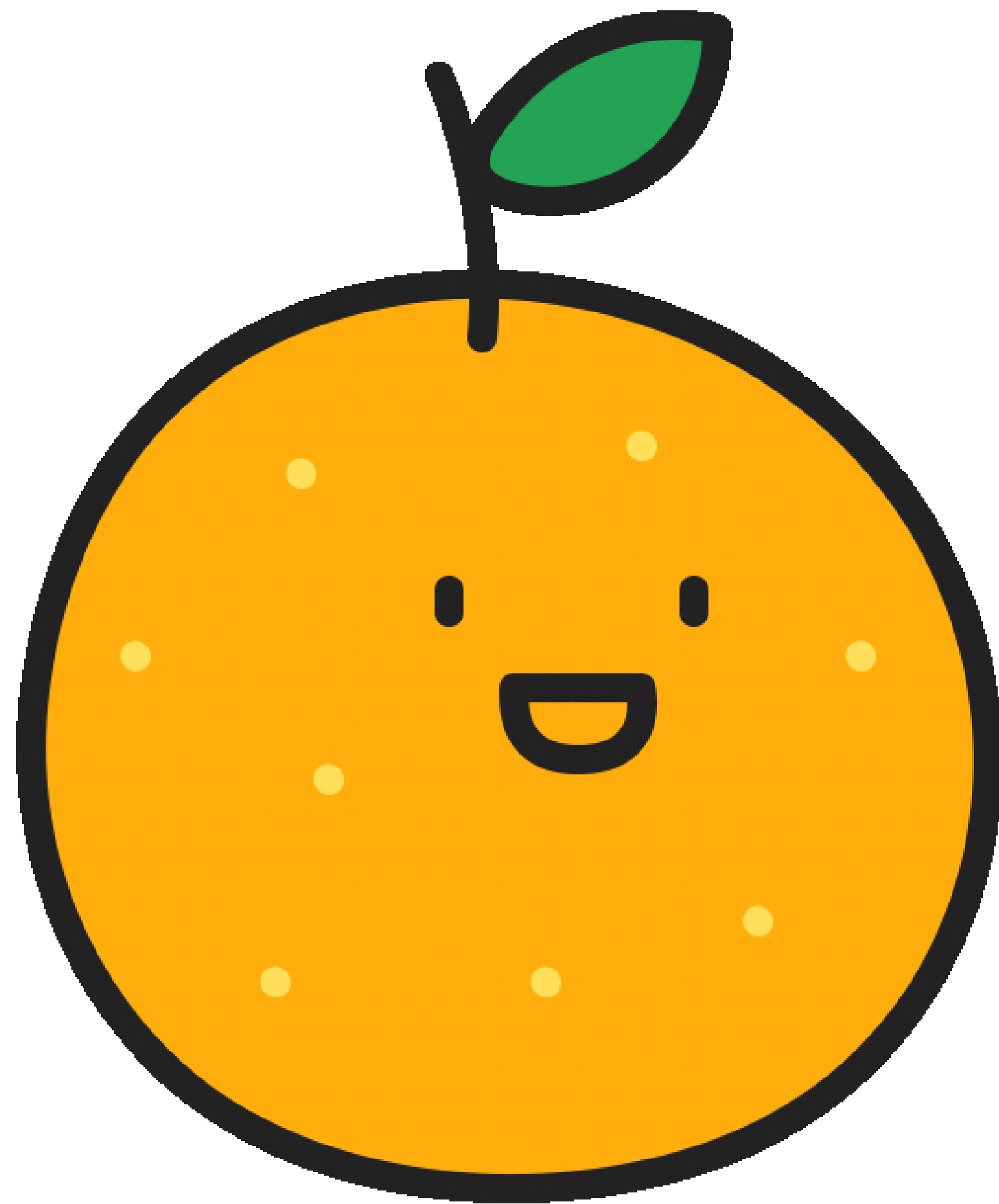


Tunisian Space Association

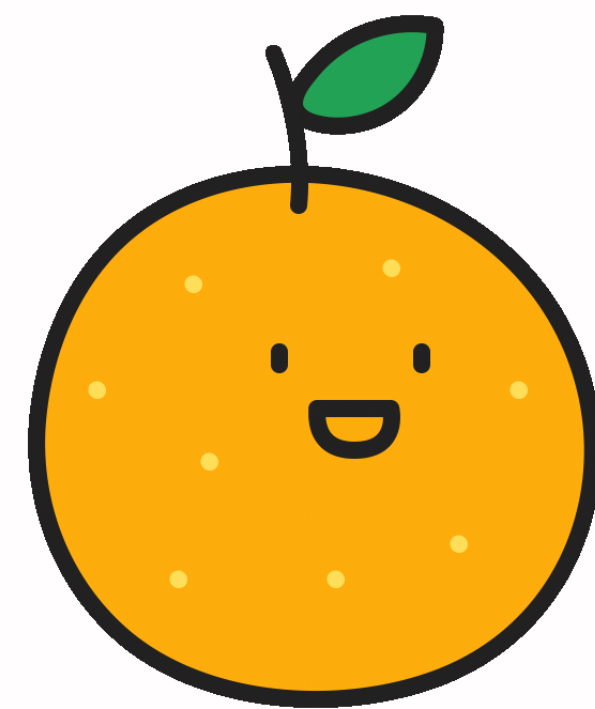
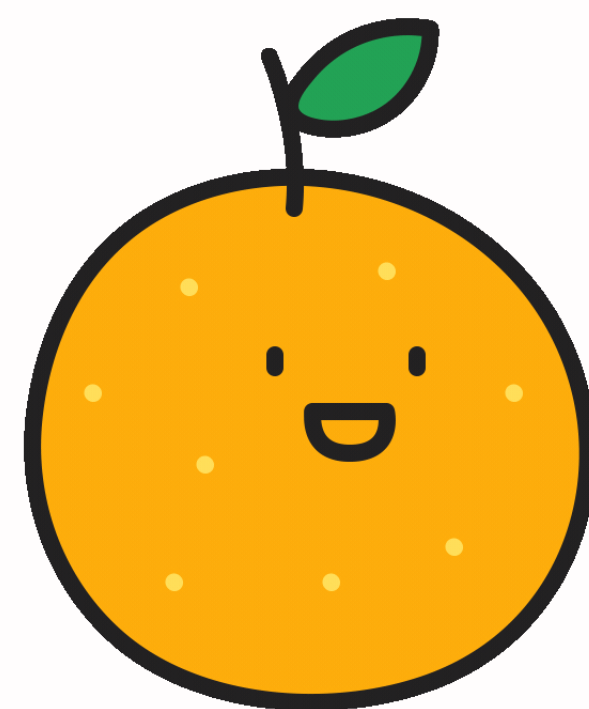
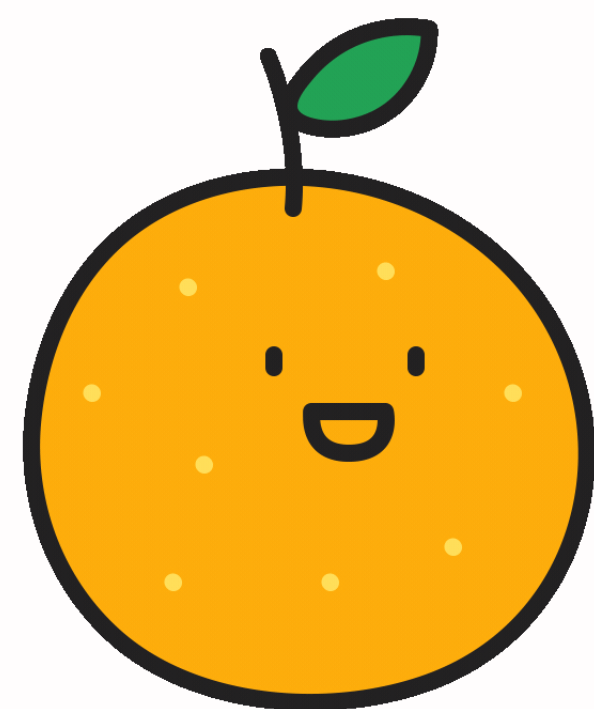
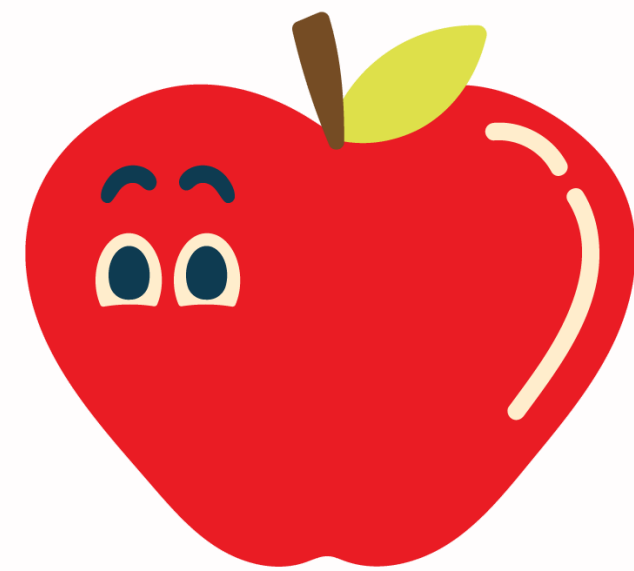
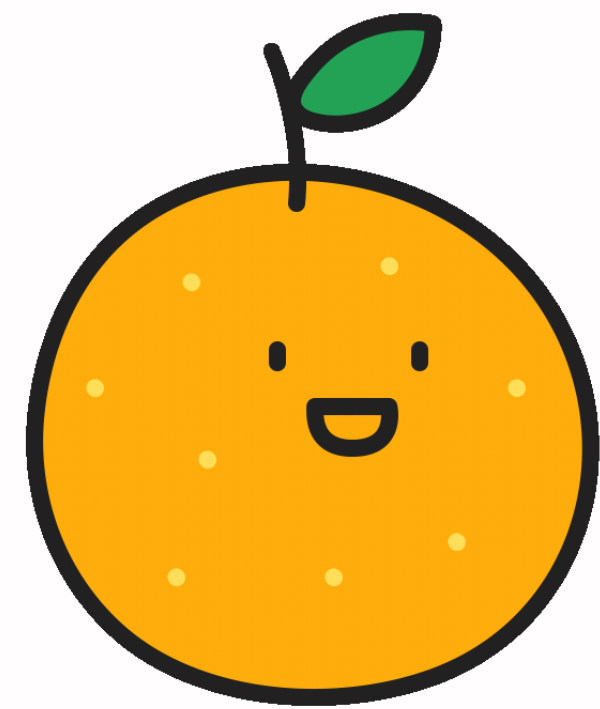
الجمعية التونسية للفضاء



Our classification model

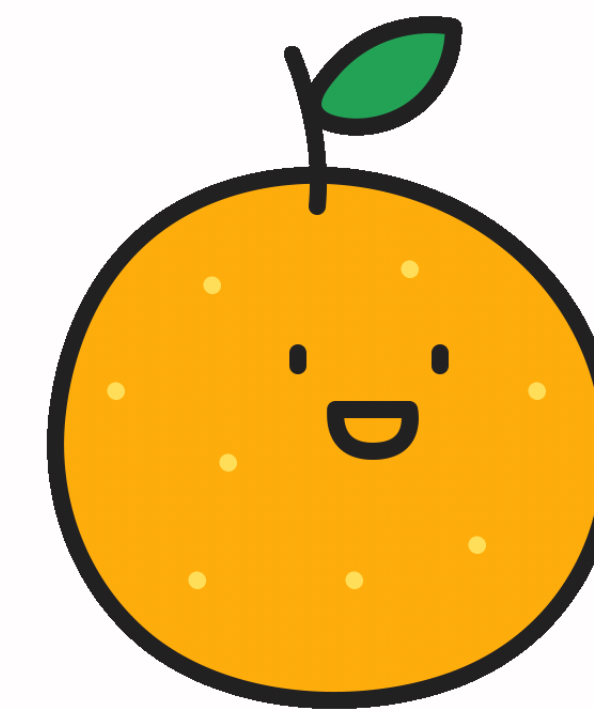
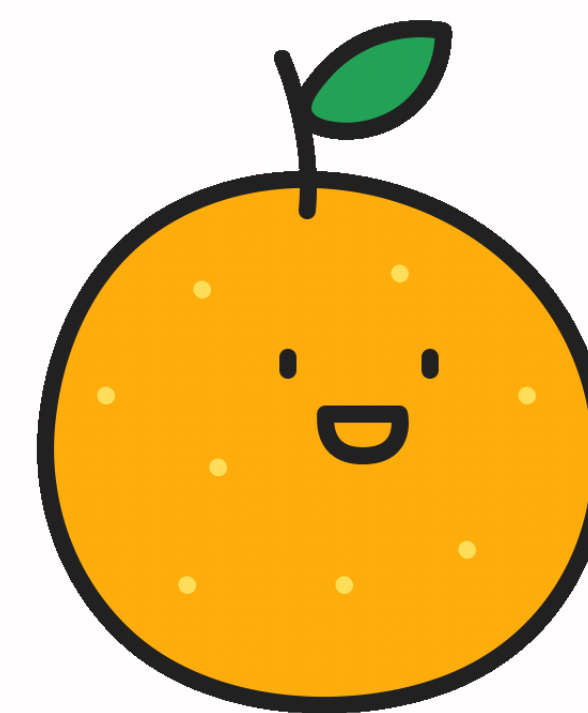
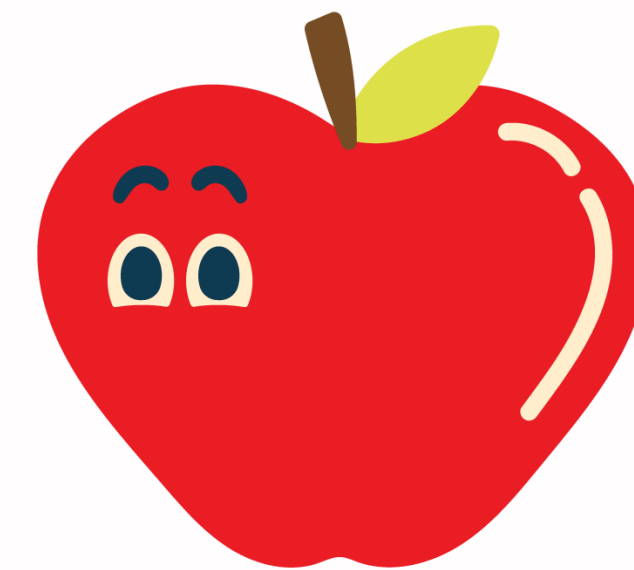
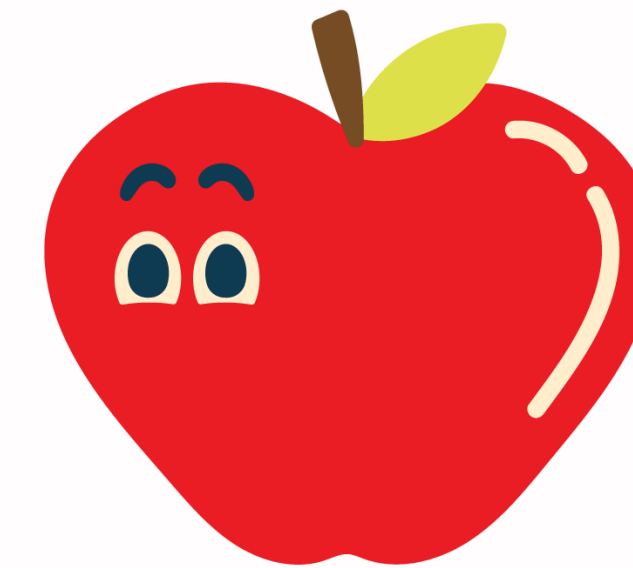
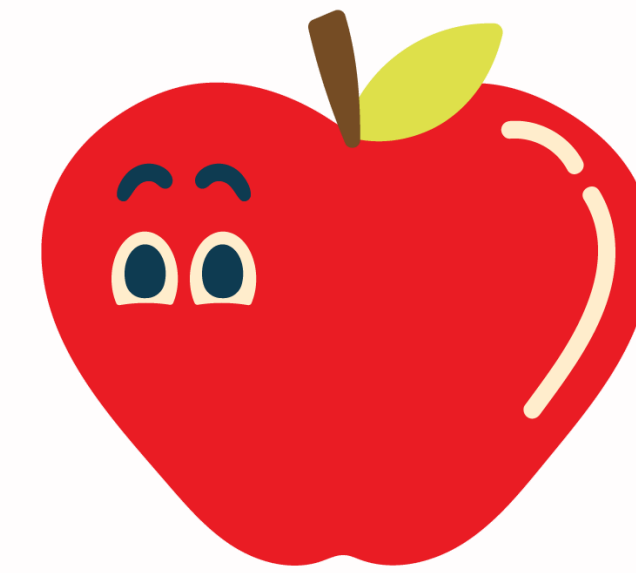


classified as oranges



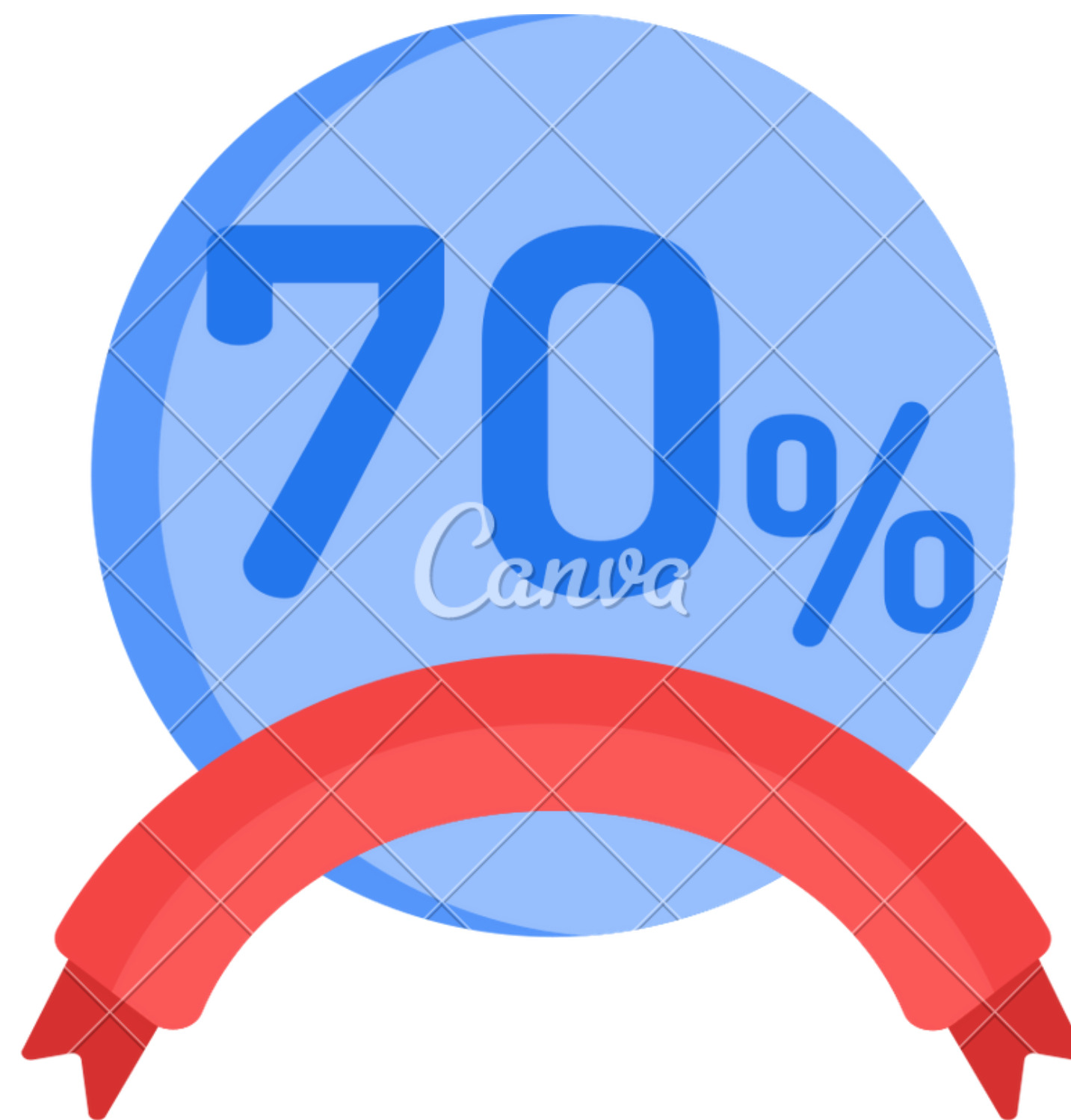
our model

classified as apples



What is accuracy ?

accuracy = total correct / total observations



Problems with accuracy

unbalanced data

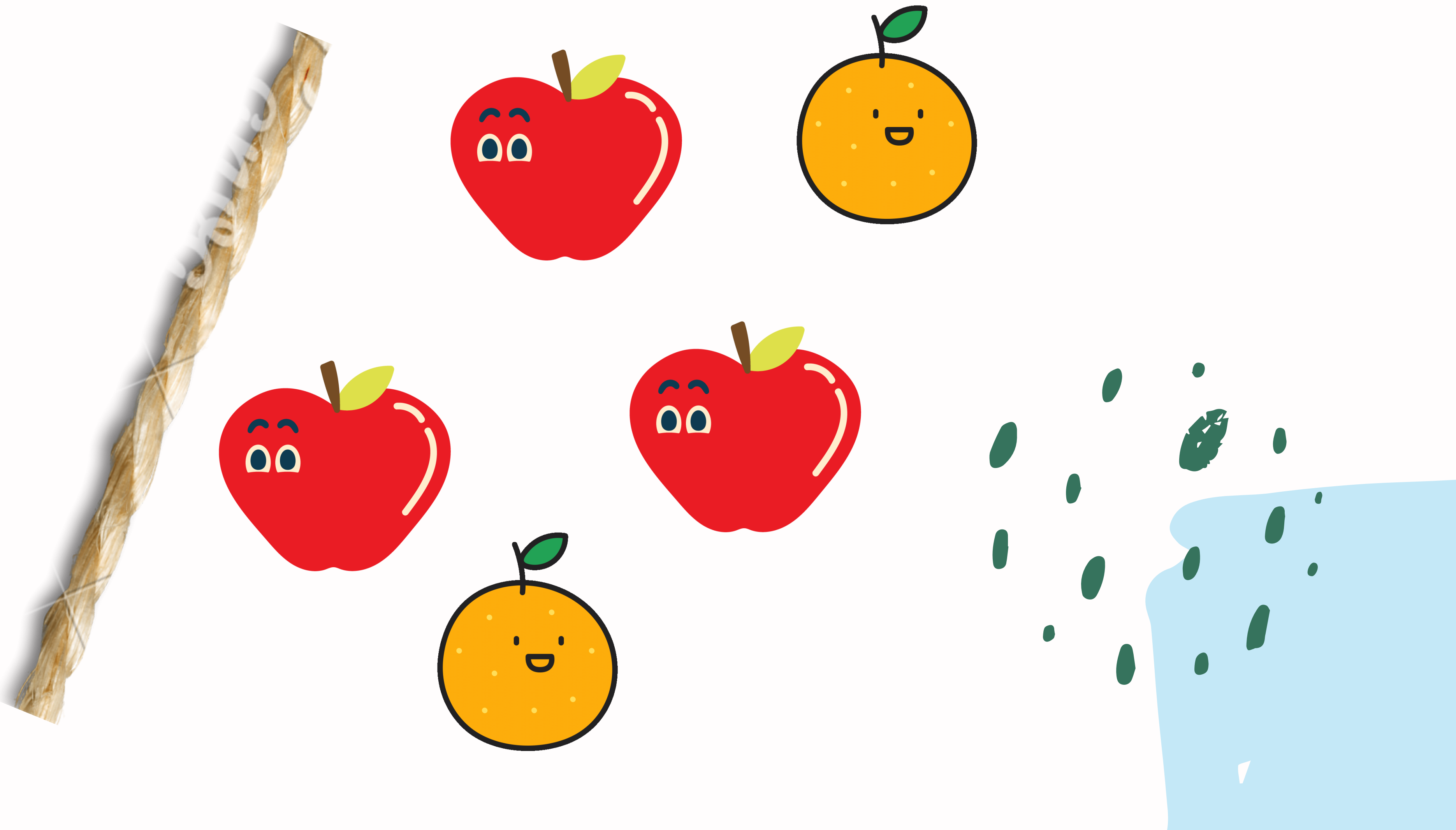
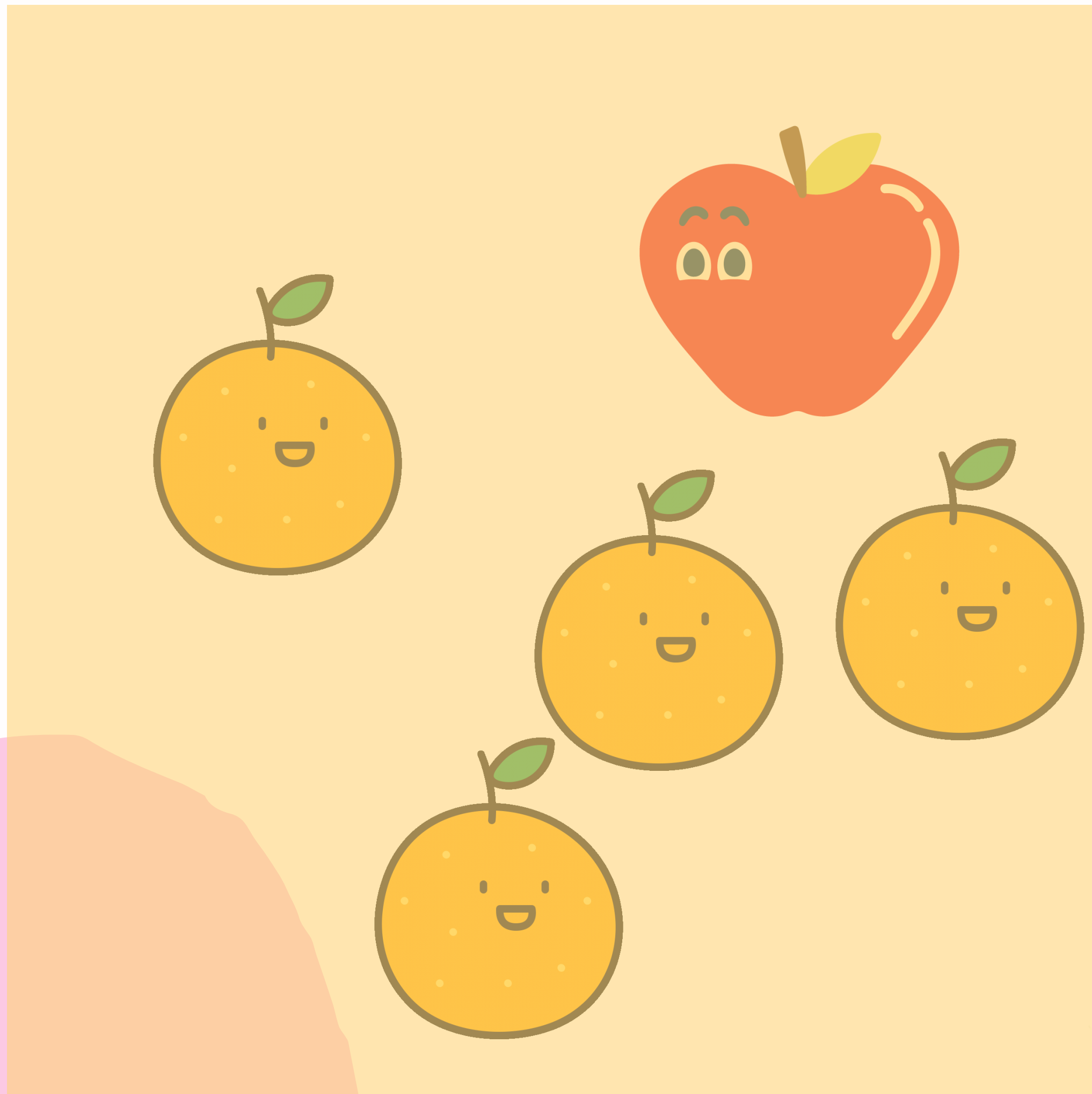
990 oranges + 10 apples



Precision

on apple class for example 3/5

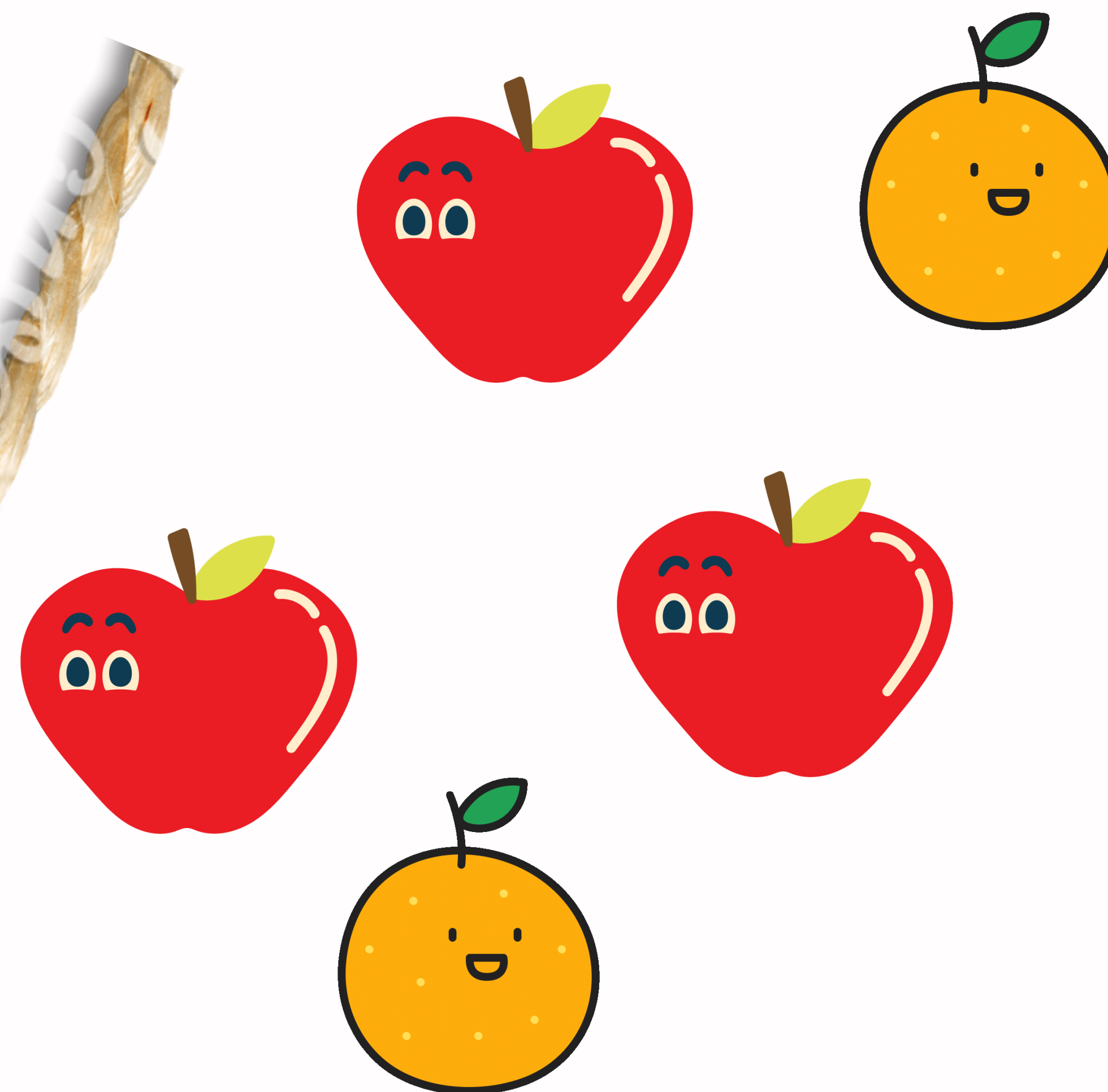
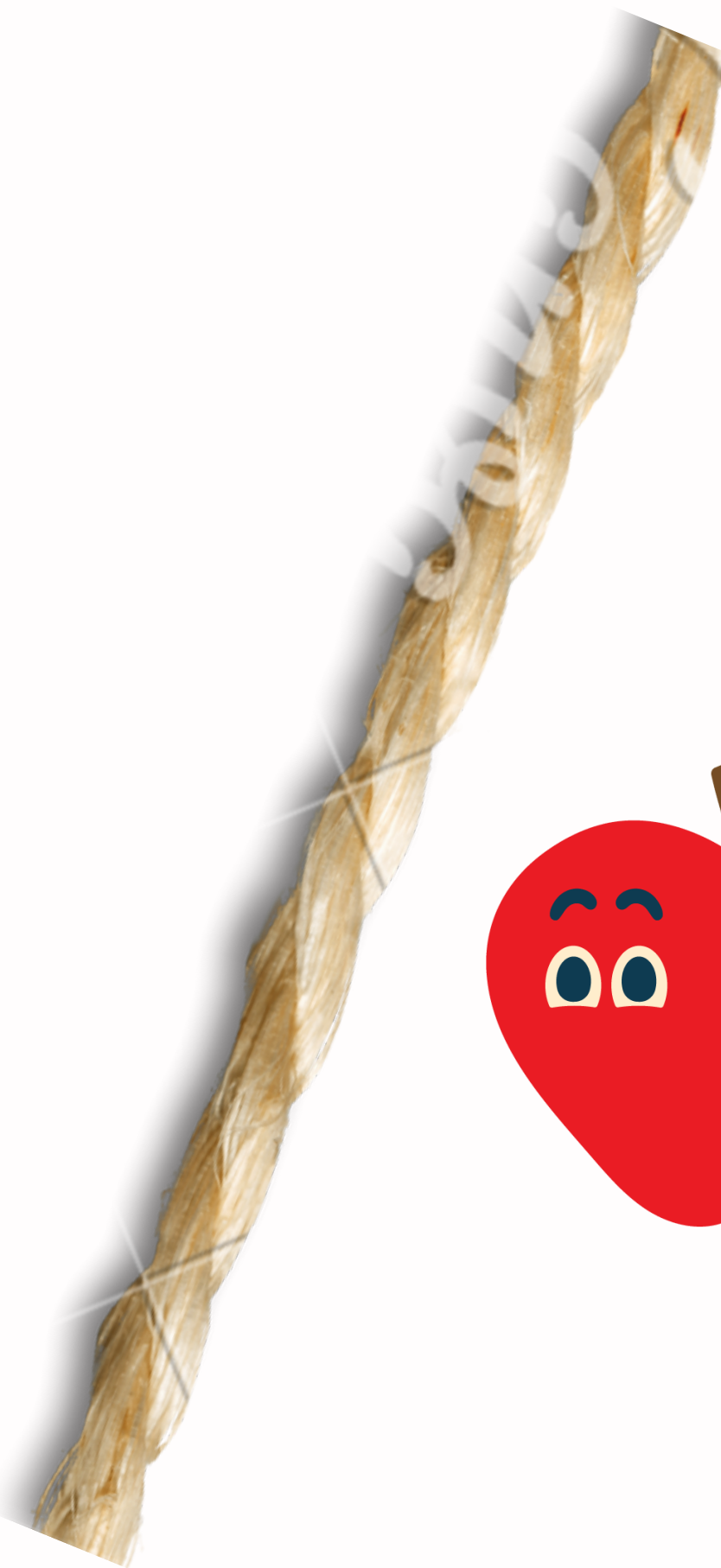
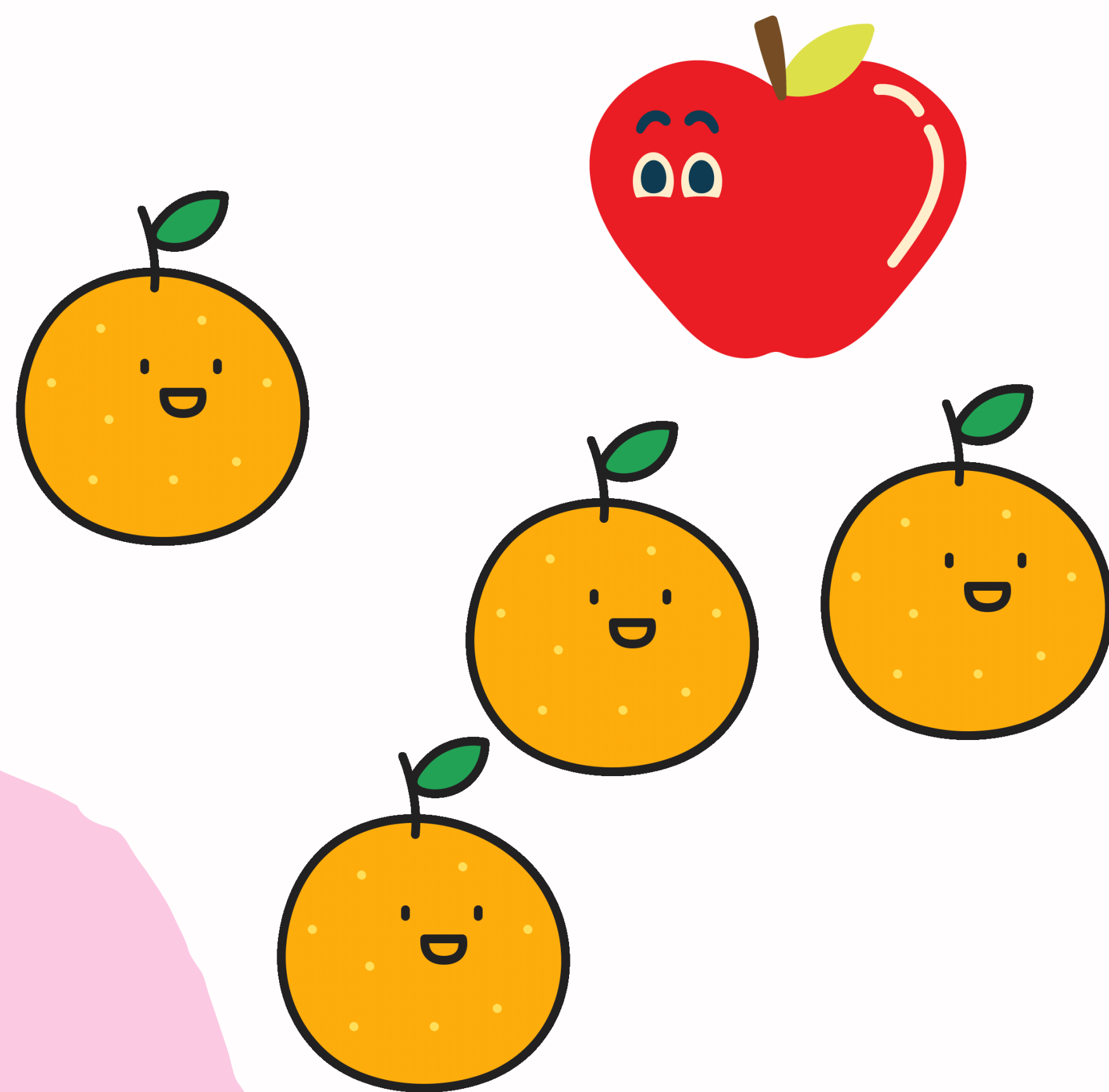
*total apples correct / total
apple side observation*



Recall

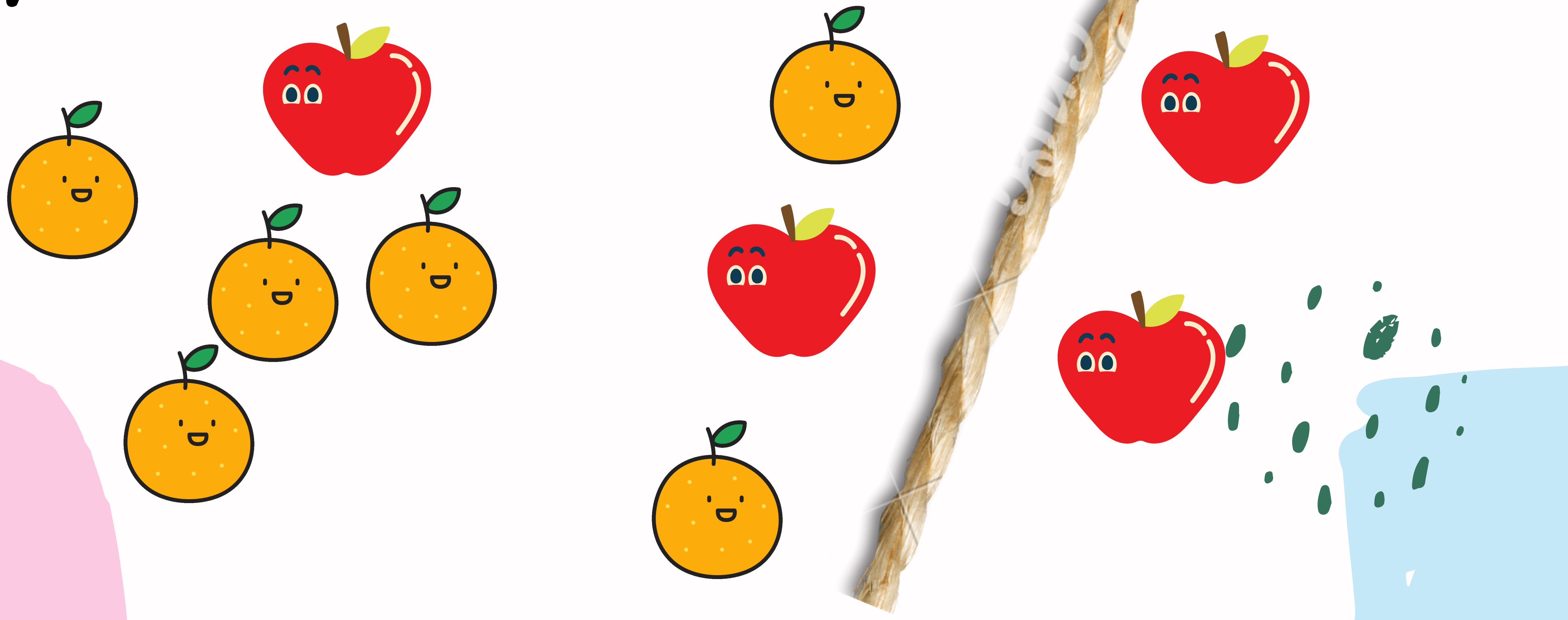
on apple class for example 3/4

***total apples correct / total
actual apples***



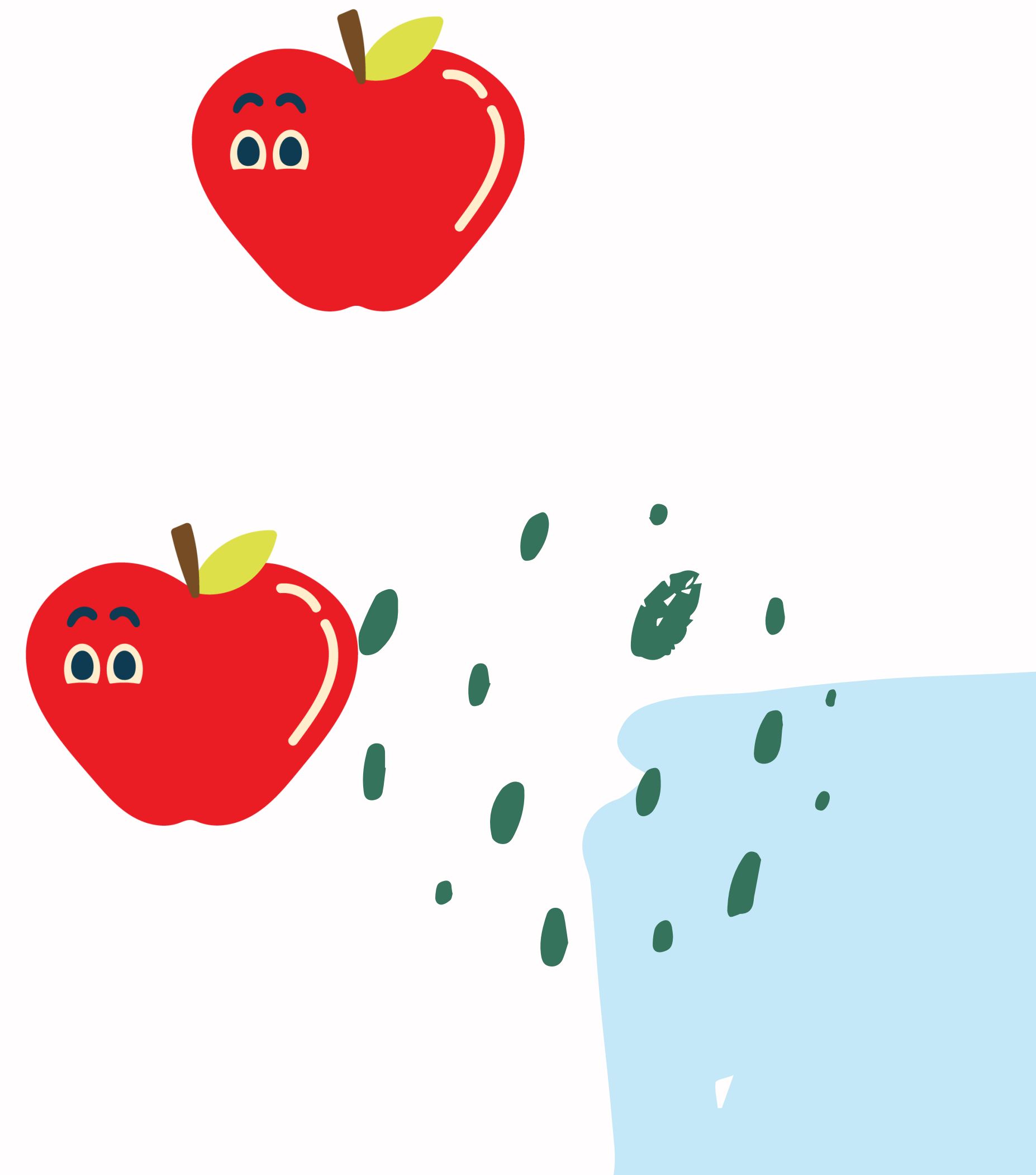
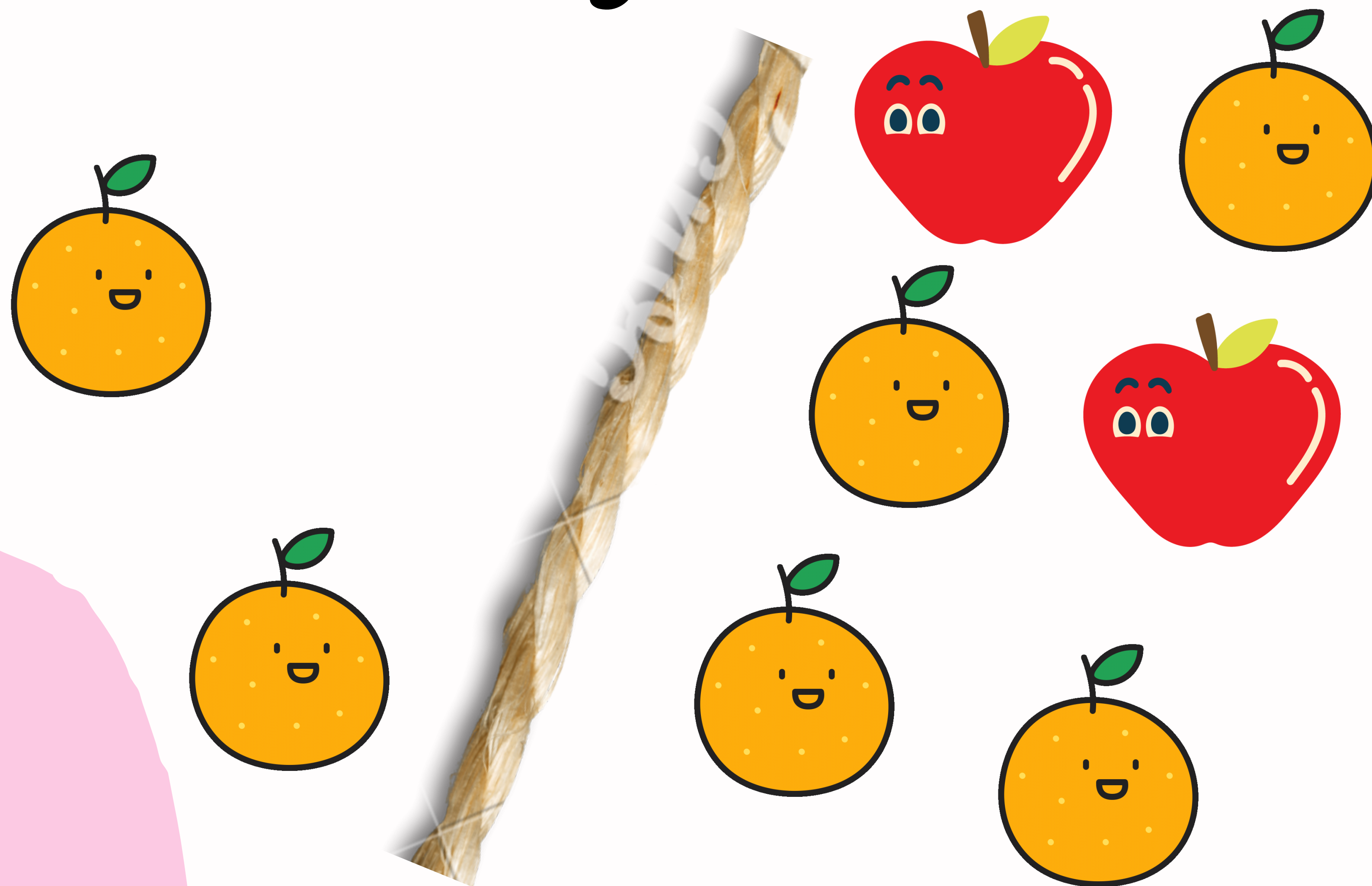
Precision-Recall tradeoff

1/ high precision - low recall



Precision-Recall tradeoff

1/ low precision - high recall





THANK
you

