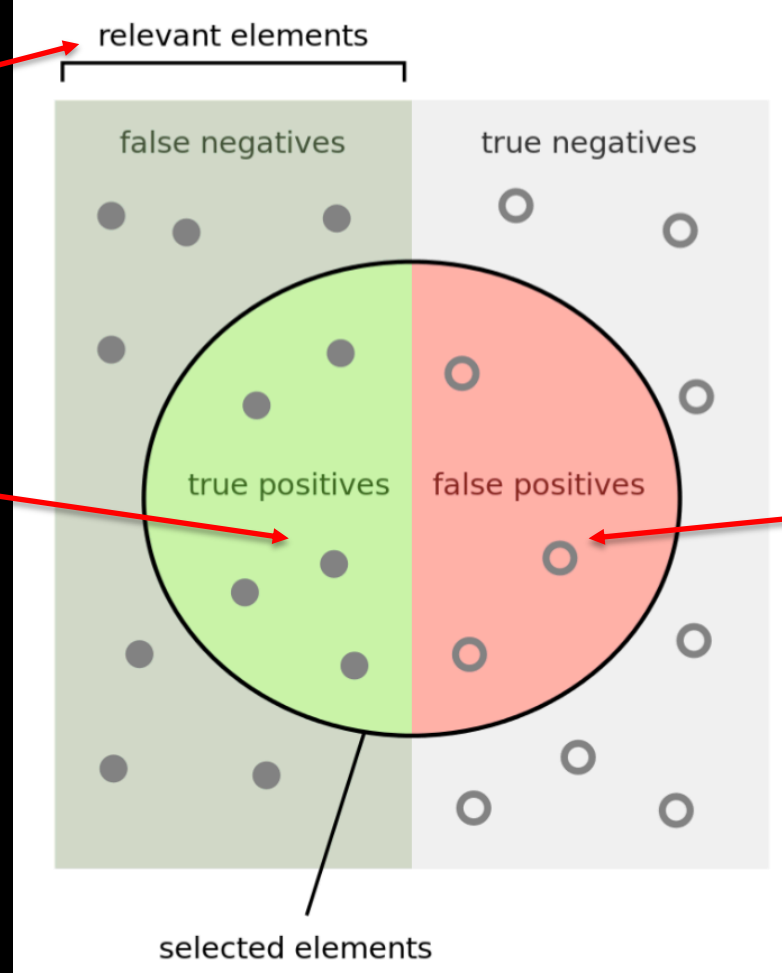


12 dogs

5 dogs

ML detect 3 dogs
But Actual is CAT



Precision
5/8.

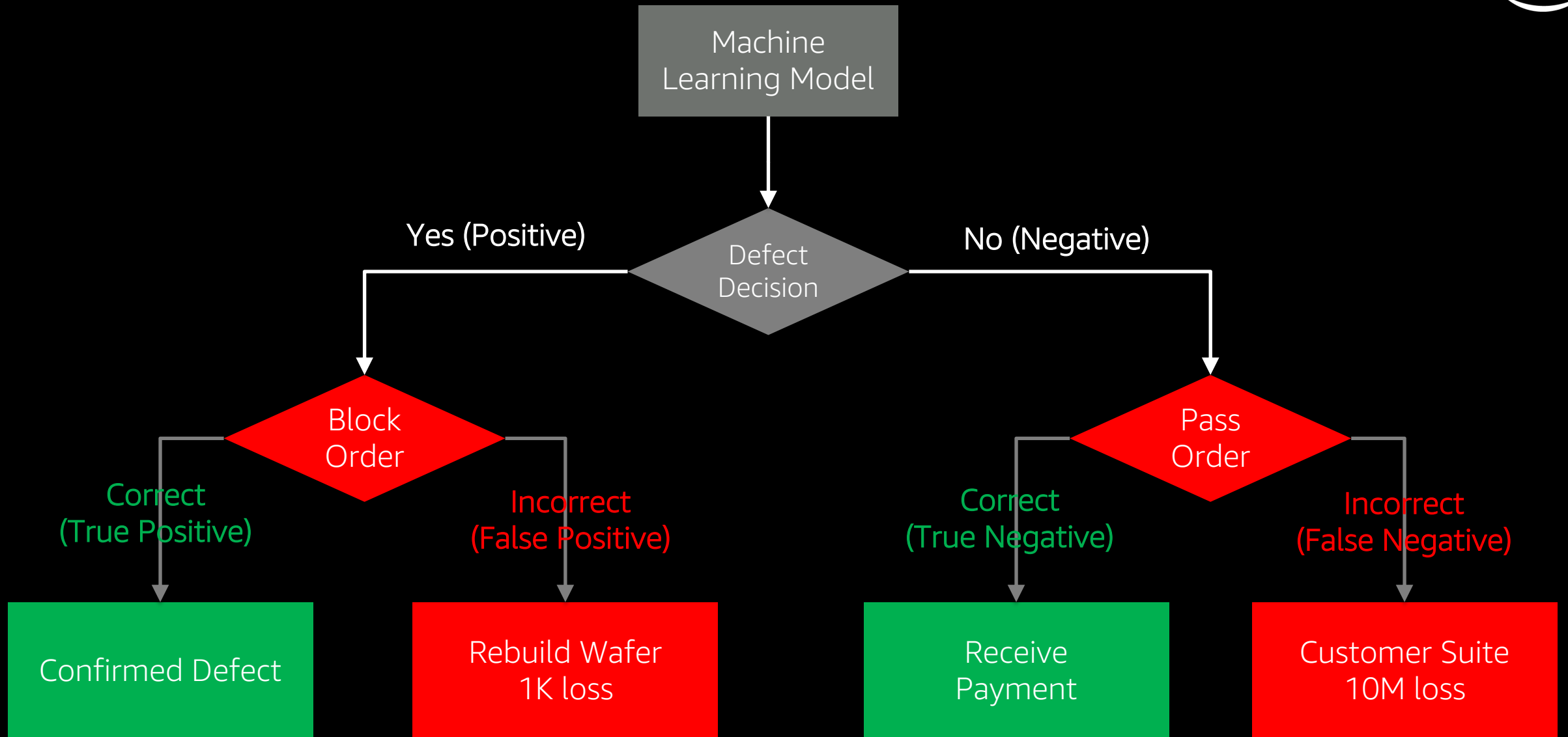
How many selected
items are relevant?

$$\text{Precision} = \frac{\text{true positives}}{\text{true positives} + \text{false positives}}$$

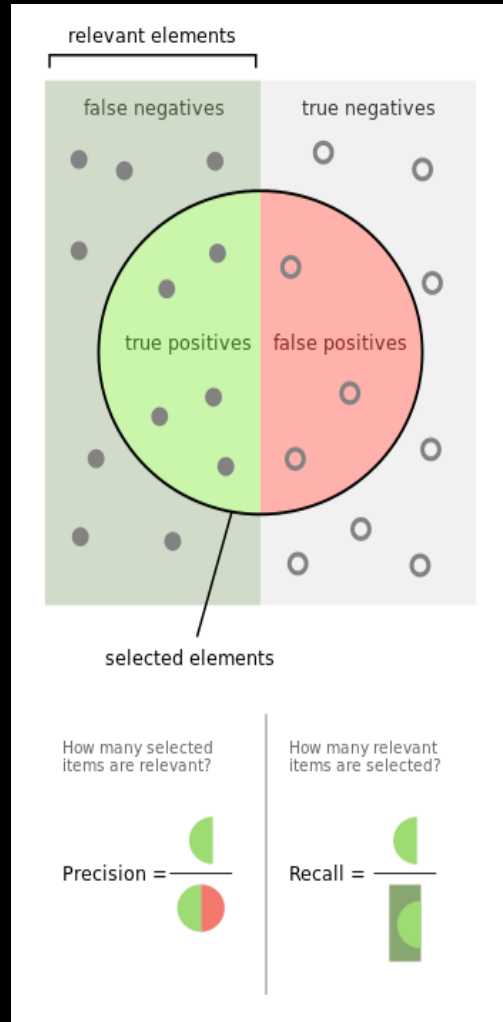
How many relevant
items are selected?

$$\text{Recall} = \frac{\text{true positives}}{\text{true positives} + \text{false negatives}}$$

Recall
5/12.



Performance measure



All fraud cases identified => Recall 1

Zero fraud cases identified => Recall 0

Zero false positives => Precision 1

Only false positives => Precision 0

