# Group Exercise

- Assume we have a dataset of 10 images, and we want to collect labels for those images: cat or not cat?

- The dataset contains 4 images with cats;

- After running a crowdsourcing experiment, a crowdworker:
  - Correctly assesses 3 cat images;
  - Correctly assesses 4 non-cat images;

- Compute:
  - Precision = TP / (TP + FP)
  - Recall = TP / (TP + FN)

# Solution

| | | Ground truth | |
|---|---|---|---|
| | | cat | non-cat |
| Worker answer | cat | true positive (3) | false positive (2) |
| | non-cat | false negative (1) | true negative (4) |

- Compute:
  - Precision = TP / (TP + FP) = 3/5
  - Recall = TP / (TP + FN) = 3/4