

## What Model Does:

- Train-loader and Test-loader wraps datasets into Batches ( $\text{size} = 64$ )
- Model takes tensors and applies many transformations to the tensor to return a single value
- for train Randomizes the sample order
- Value is rounded to the nearest whole number corresponding to a label (This is the Prediction)
- Dataloader functions give 2 output tensors:
  - $[64, 1, 48, 48]$  GrayScale AND  $[64]$ 
    - # of Batches
    - $48 \times 48$  pixel Images
    - One label for each image



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