

# MATH

## Generate captions for asy command

2023/7/8: use gpt-3.5-turbo to generate captions for the test set.

The instruction may could be better.

MATH	problems with asy	total	percentage
train	707	7500	0.094
test	419	5000	0.0838

Category	algebra	counting_and_probability	geometry	intermediate_algebra	number_theory	prealgebra	precalculus
train	55	58	324	40	2	177	51
test	23	47	188	29	1	100	31

2023/7/11

Results with captions of gpt models on 42 samples of prm800k

model	raw LLaMa 65B	w gpt3.5	w gpt4	w text	w gpt 3.5 strip	w gpt4 strip	with text strip
correct (same + recheck)	1 + 1	2 + 4	0 + 4	1 + 4	1 + 1	1 + 1	1 + 2

correct + recheck	raw	3.5	4	text	3.5 strip	4 strip	text strip
	prealgebra_930 prealgebra_1512	geometry_248 prealgebra_378 prealgebra_930 geometry_226 geometry_795 counting_and_probability_731	counting_and_probability_282 geometry_226 counting_and_probability_731 prealgebra_914	geometry_248 algebra_1349 geometry_226 counting_and_probability_731 prealgebra_1114	prealgebra_930 geometry_226	geometry_248 geometry_226	geometry_283 geometry_183 counting_and_probability_731

419 MATH test with asy

MATH	raw LLaMa	w 3.5
correct + recheck	15+9	