

Topic	pH Scale	Level	Key Stage 3 (or any other course for students aged 11-14)
Outcomes	1. Students construct an understanding of how different substances have different pH values		

Print off the slides in this document and hand to students

Students stand in a line holding up the pH values

Other members of the class then place the substances listed in this document on this 'human' pH scale according to where they think they would be

The substances can then be tested by the teacher/ students using Universal indicator paper and results compared to what the class originally thought

Hydrochloric
acid

Rain water

Oven cleaner

Urine

Blood

Sodium
hydroxide

Battery acid

Lemon juice

Pure water

Soap

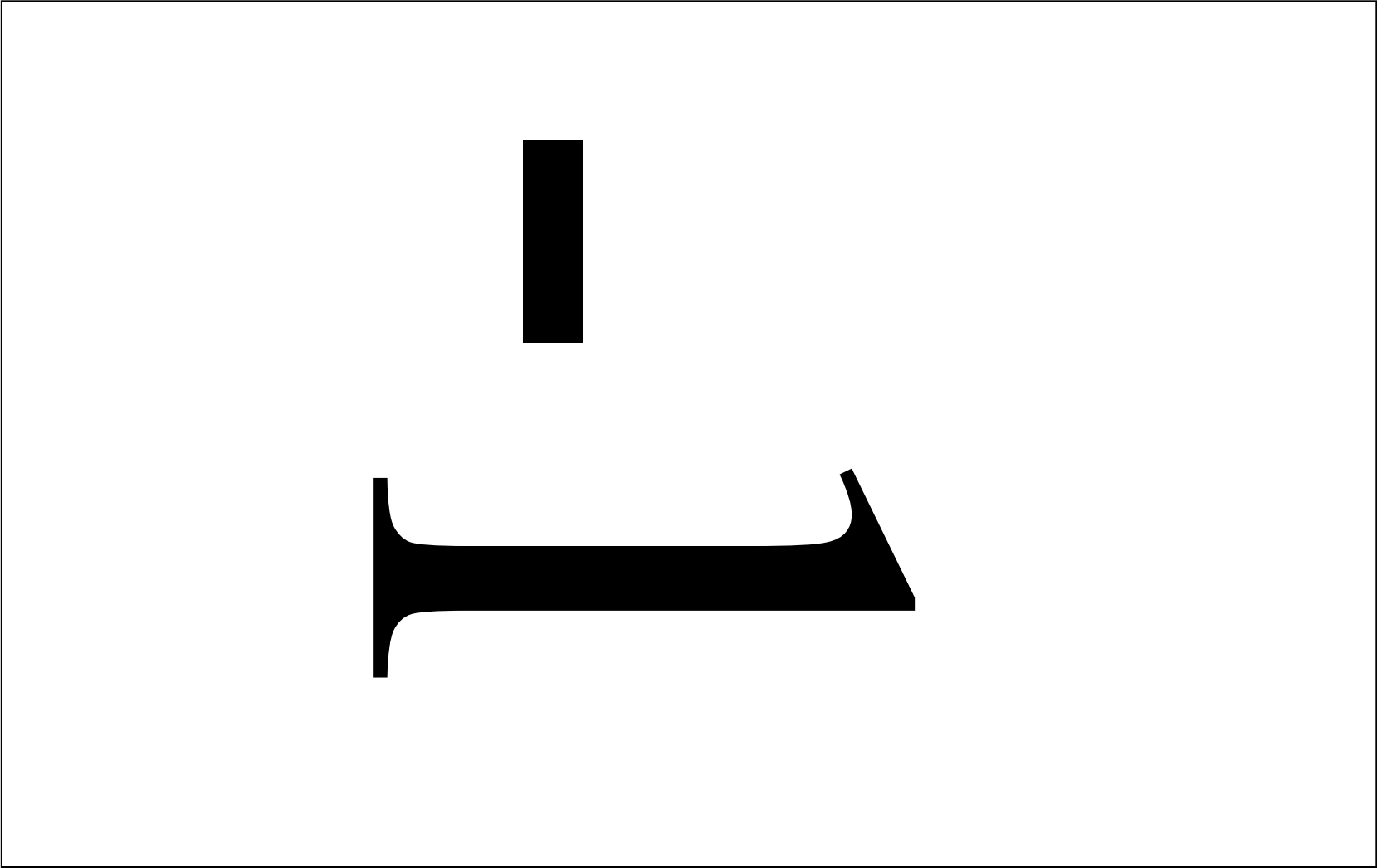
Ammonia

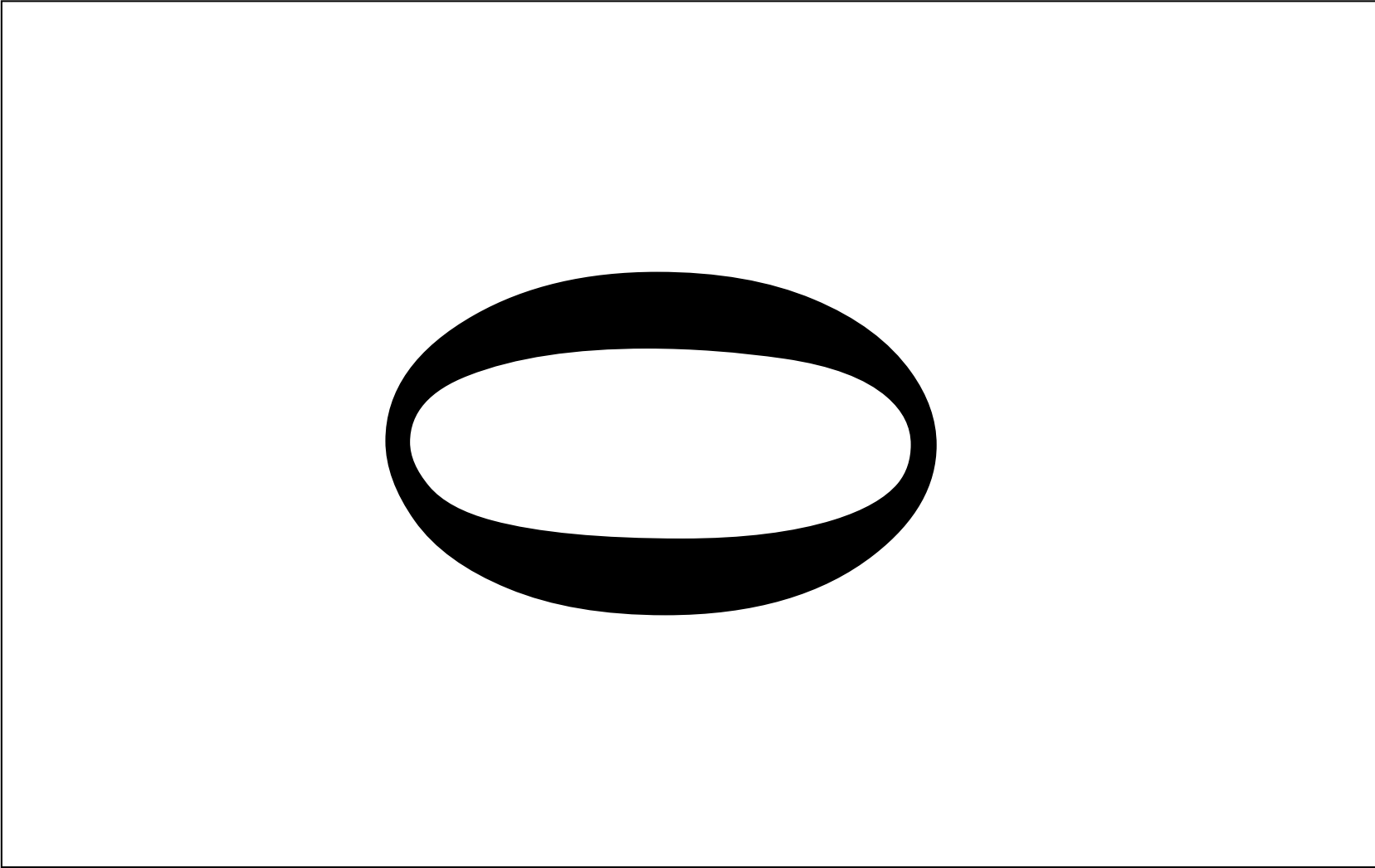
Coke

Lemon
juice

Water

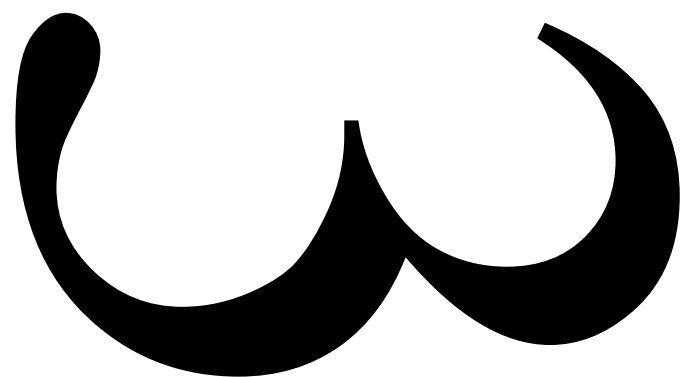
Toothpaste



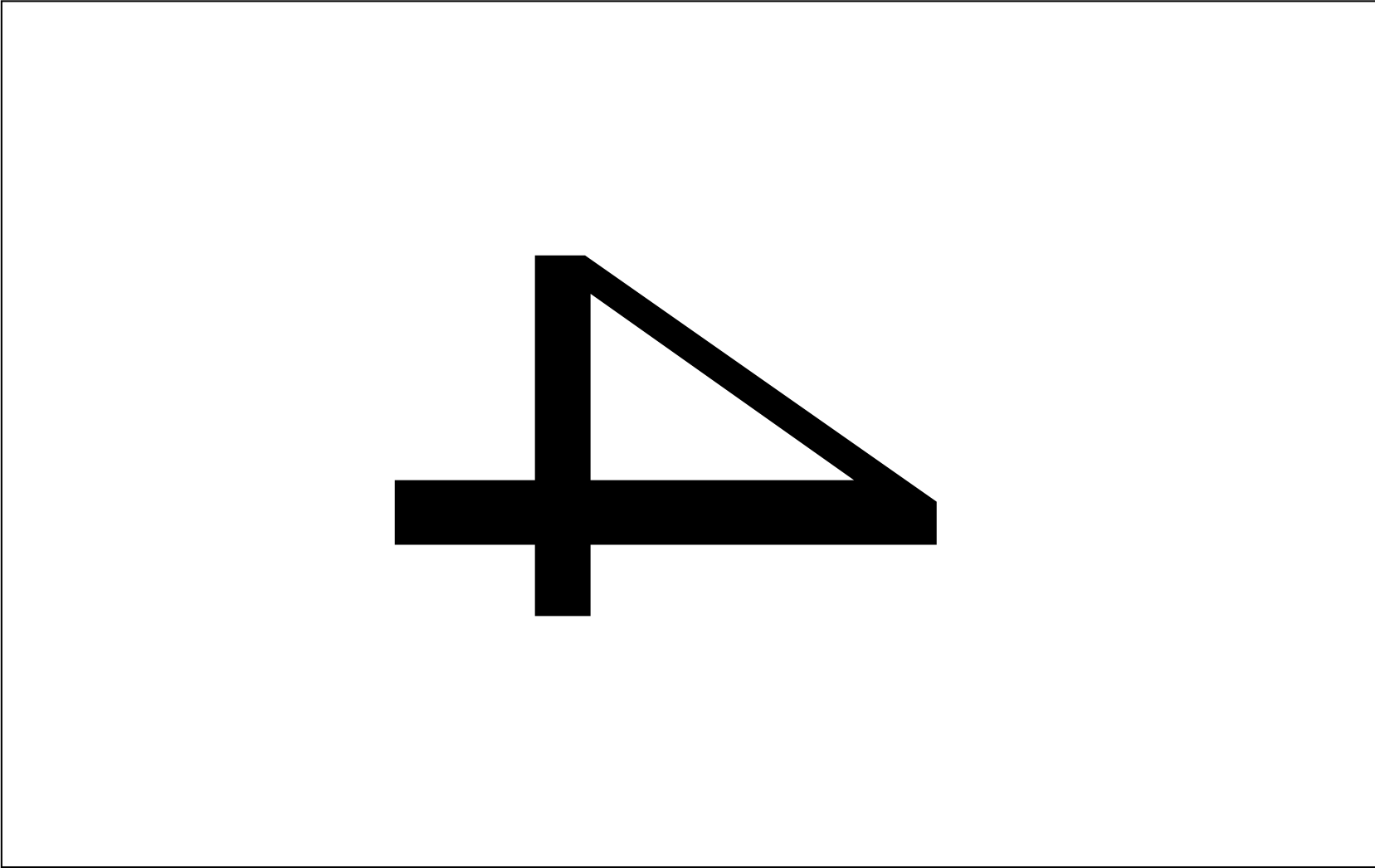


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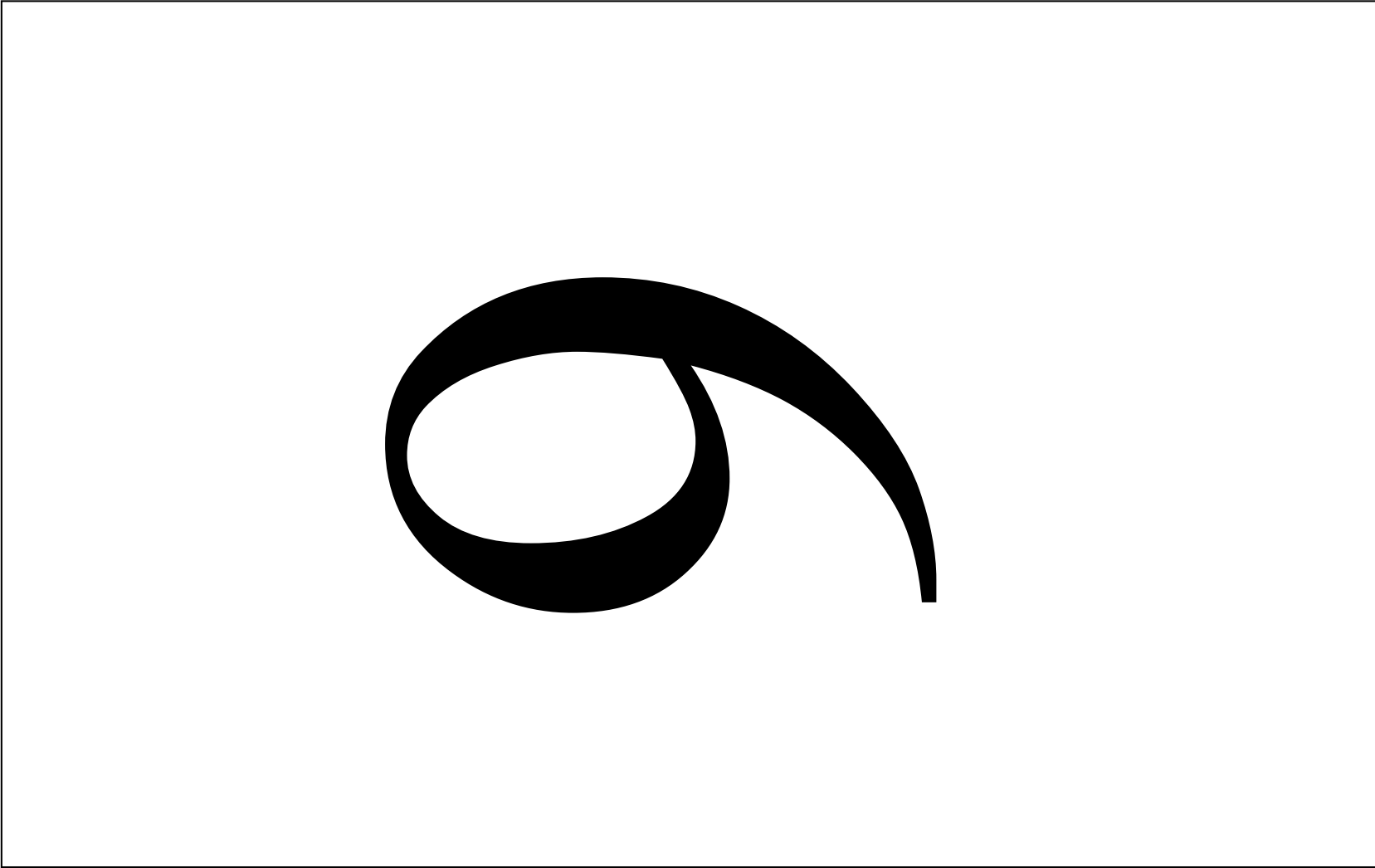


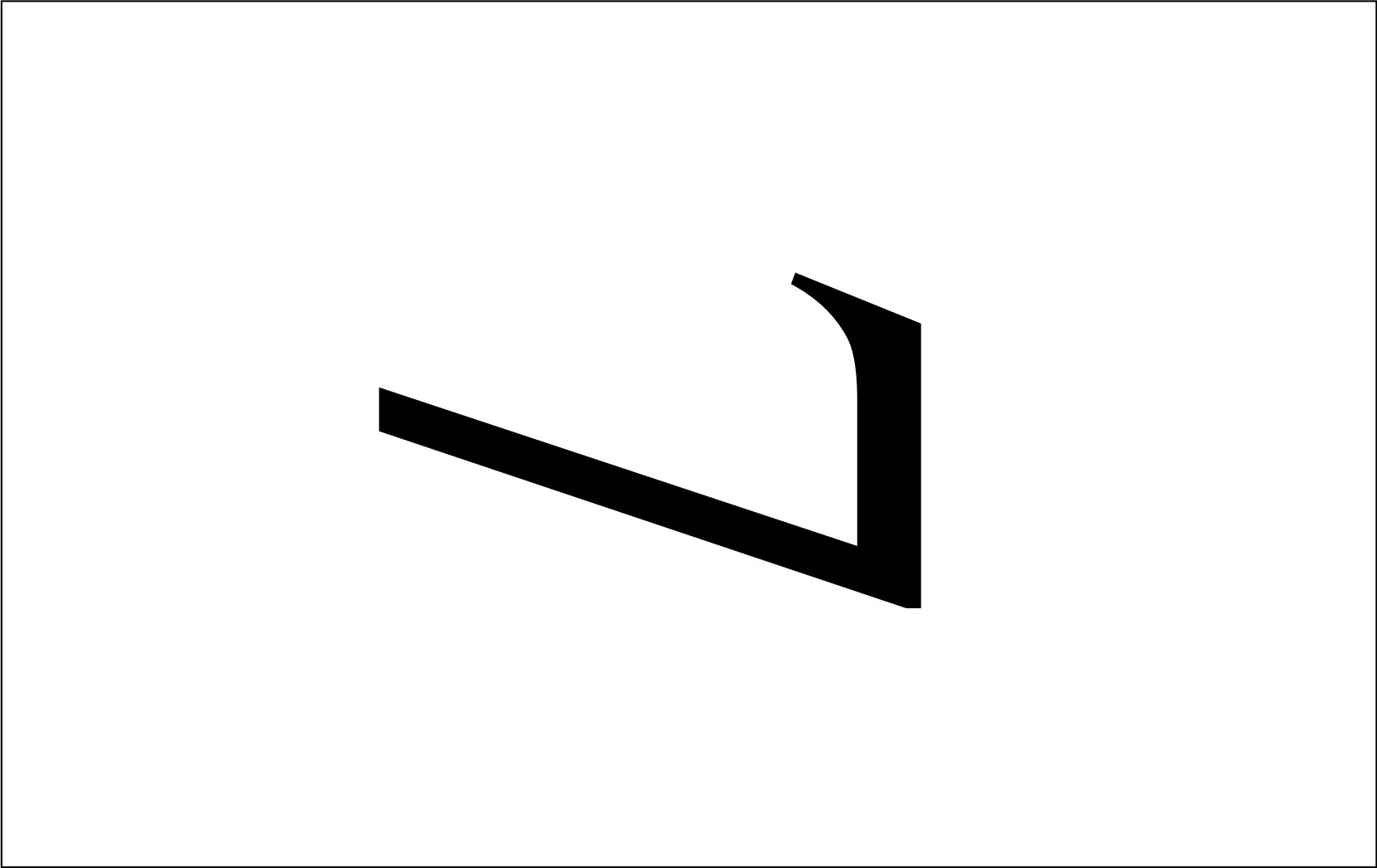
A stylized black calligraphic symbol consisting of two connected, curved strokes. The first stroke starts with a thick, rounded top, curves downwards and to the left, then sweeps back to the right, ending in a thick, rounded bottom. The second stroke starts with a thick, rounded top, curves downwards and to the right, then sweeps back to the left, ending in a thick, rounded bottom. The two strokes are joined at their inner curves, creating a continuous, flowing shape.

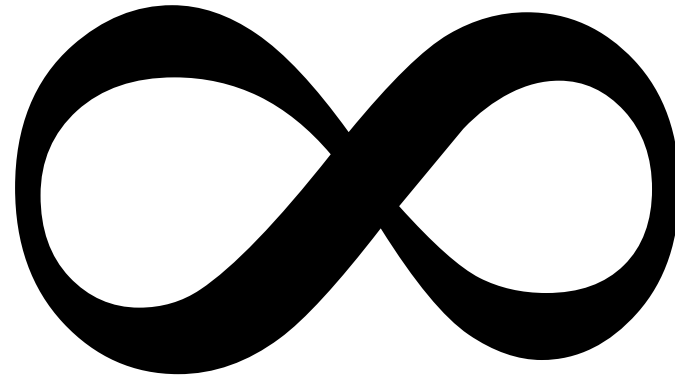


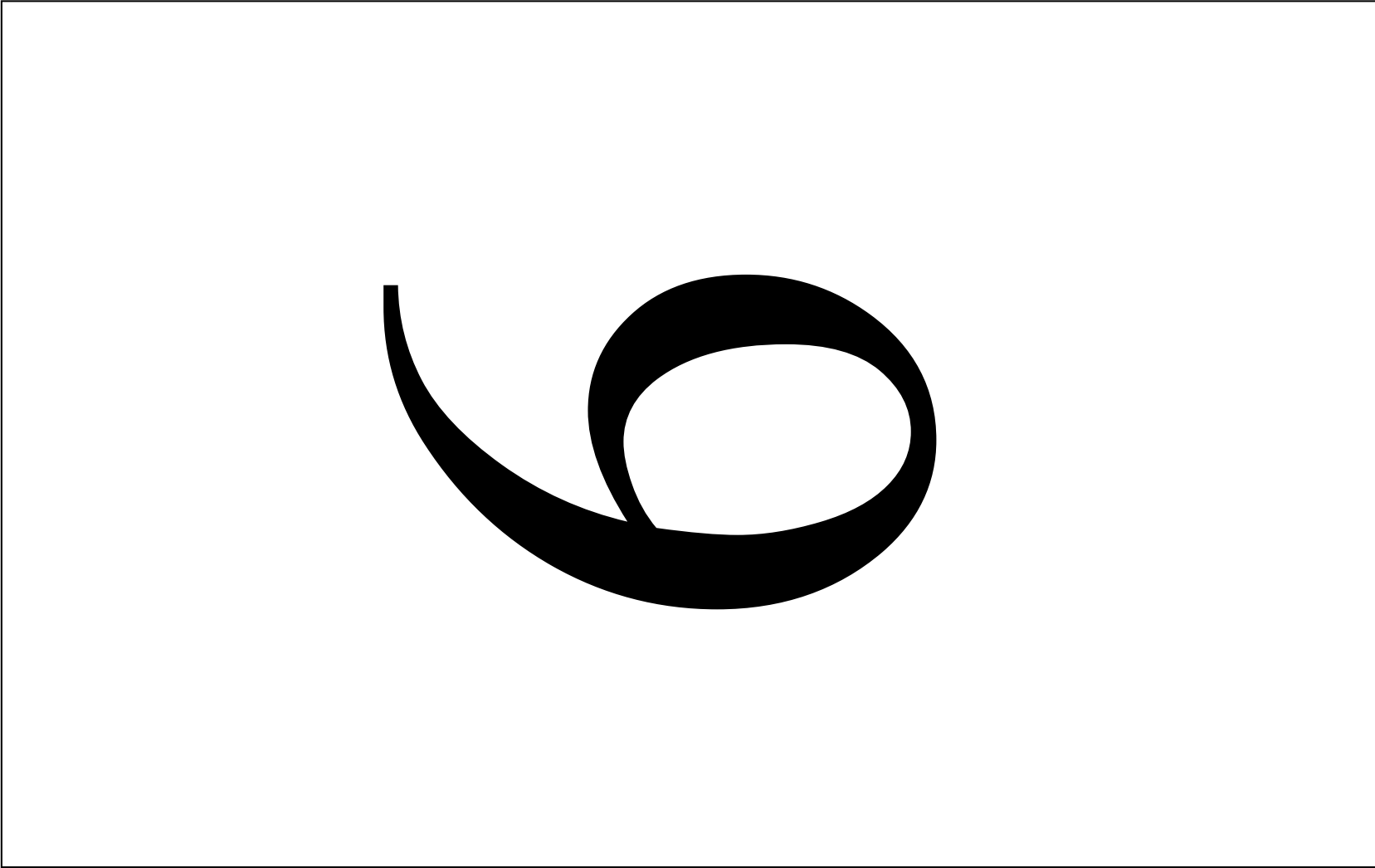
A large, bold, black number '4' is centered within a thin black rectangular border. The number is composed of a vertical stem on the left, a horizontal crossbar, and a diagonal stroke extending from the top of the stem to the right end of the crossbar.

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