

**GEOMETRY**

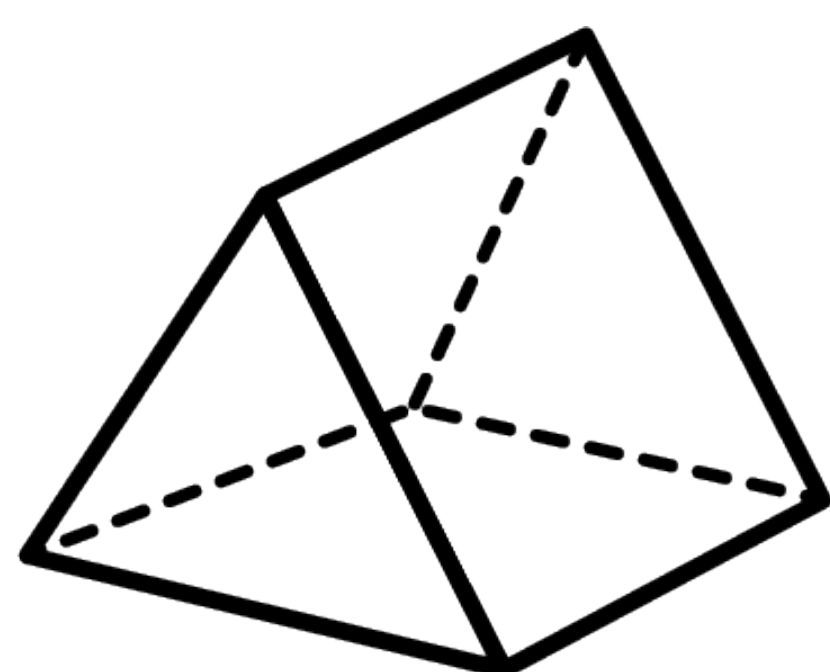
1

**Challenge one**

Describe the properties of each of these shapes.  
Example:

1

**Triangular Prism**



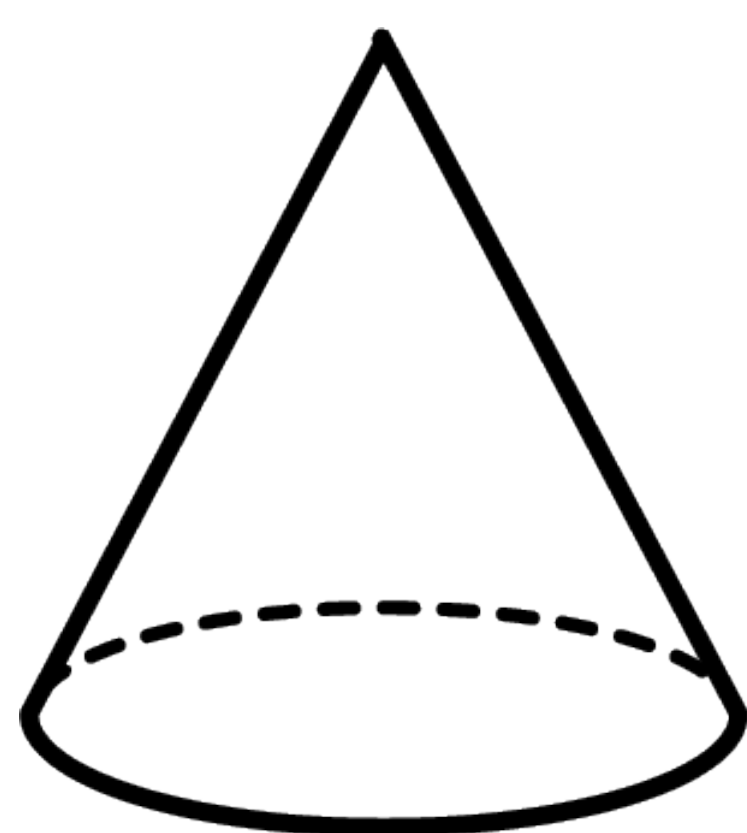
- 6 vertices
- 9 edges
- 5 faces
- 2 triangular bases or ends
- 3 rectangular sides

**Vocabulary**

Vertices	Equal	Parallel
Edge	Angles	Perpendicular
Side	Lines of symmetry	Faces
		Curved

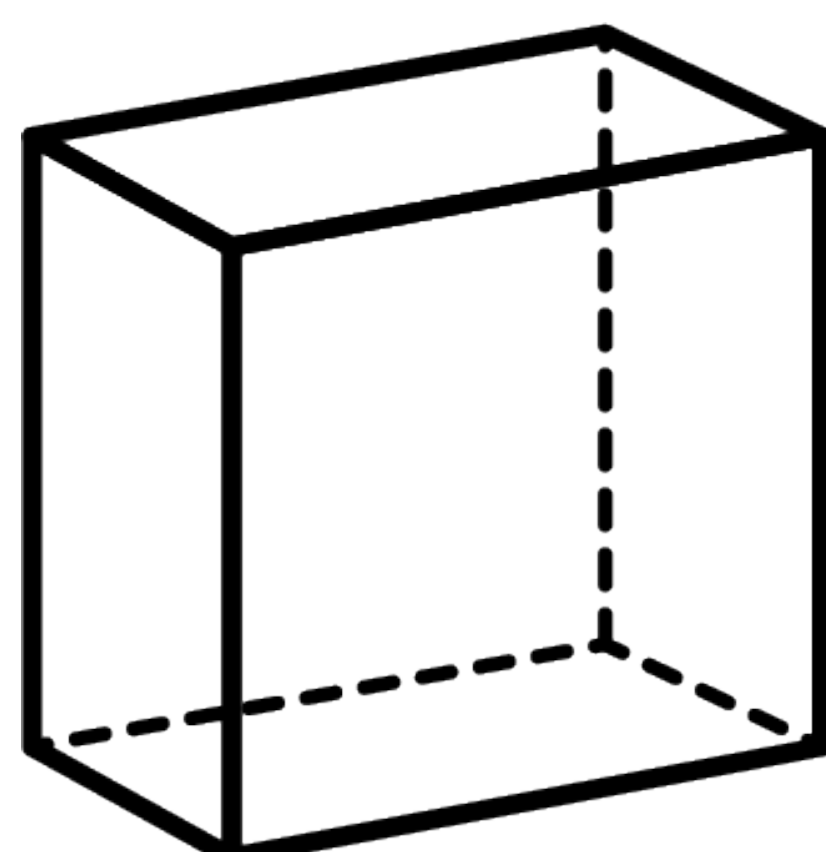
2

**Cone**



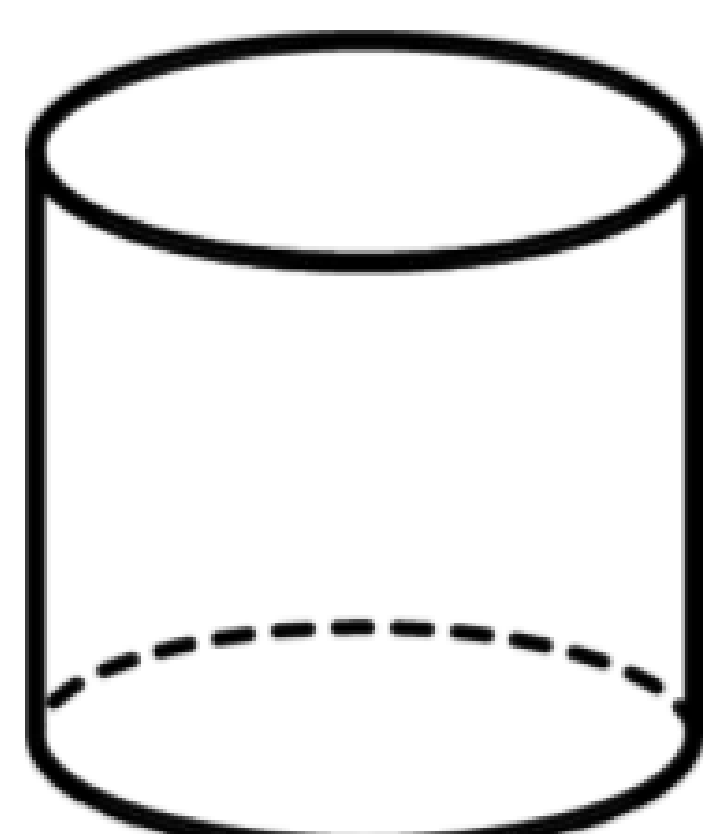
3

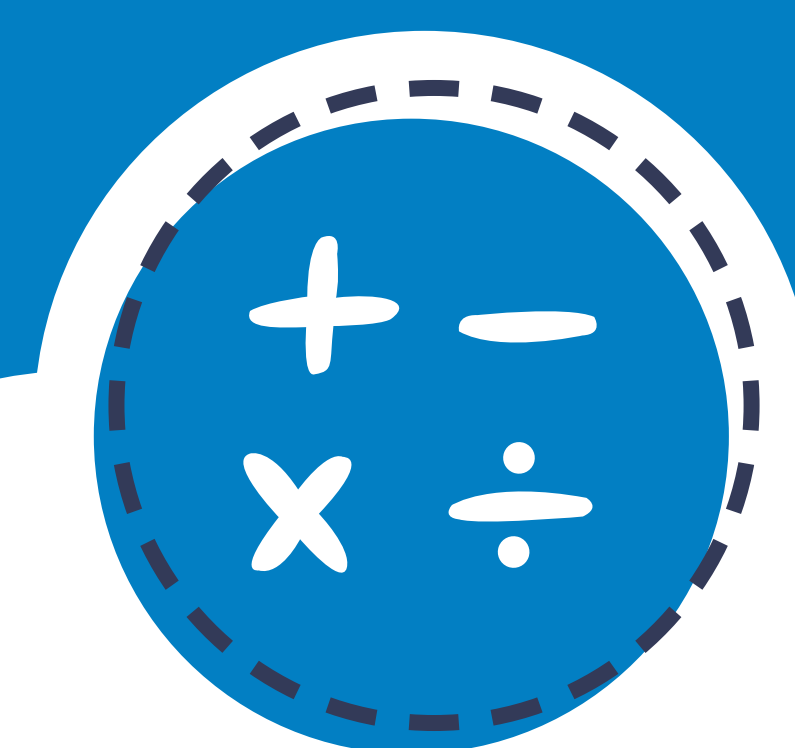
**Cuboid**



4

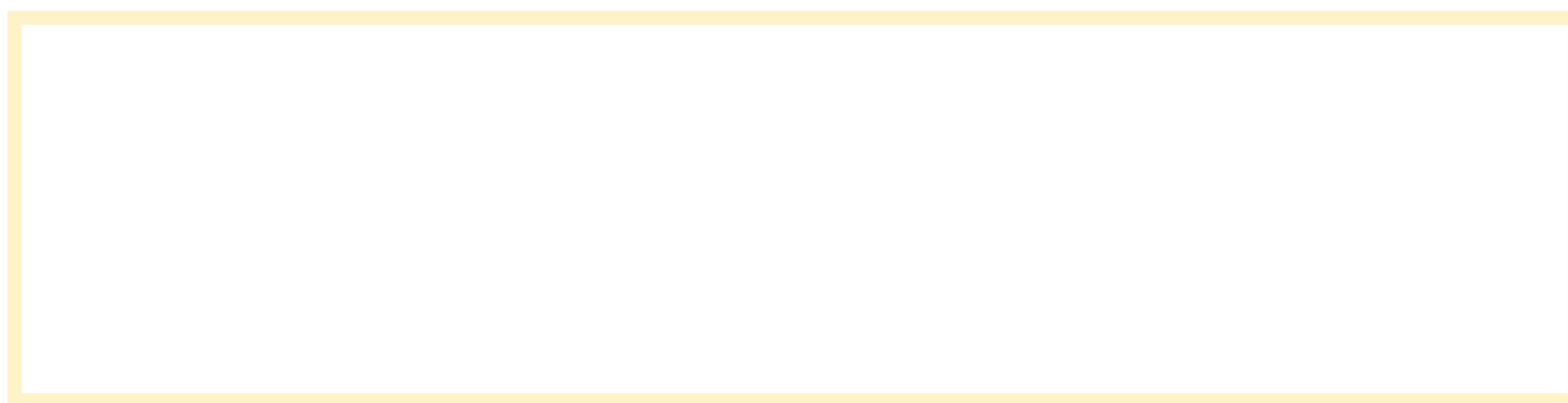
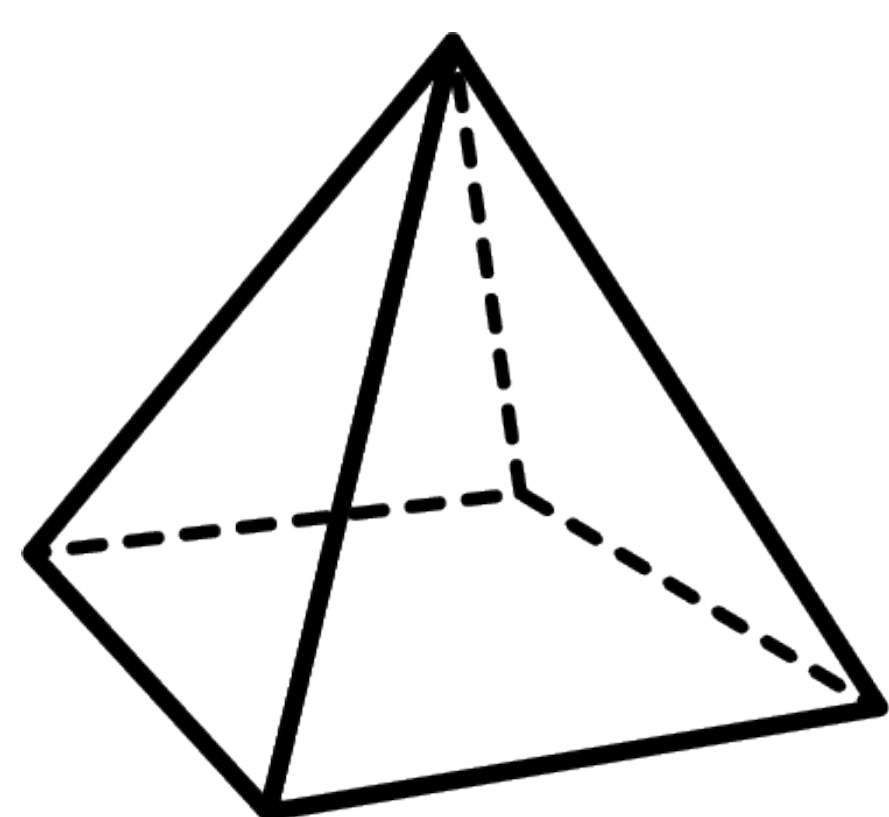
**Cylinder**





**GEOMETRY**

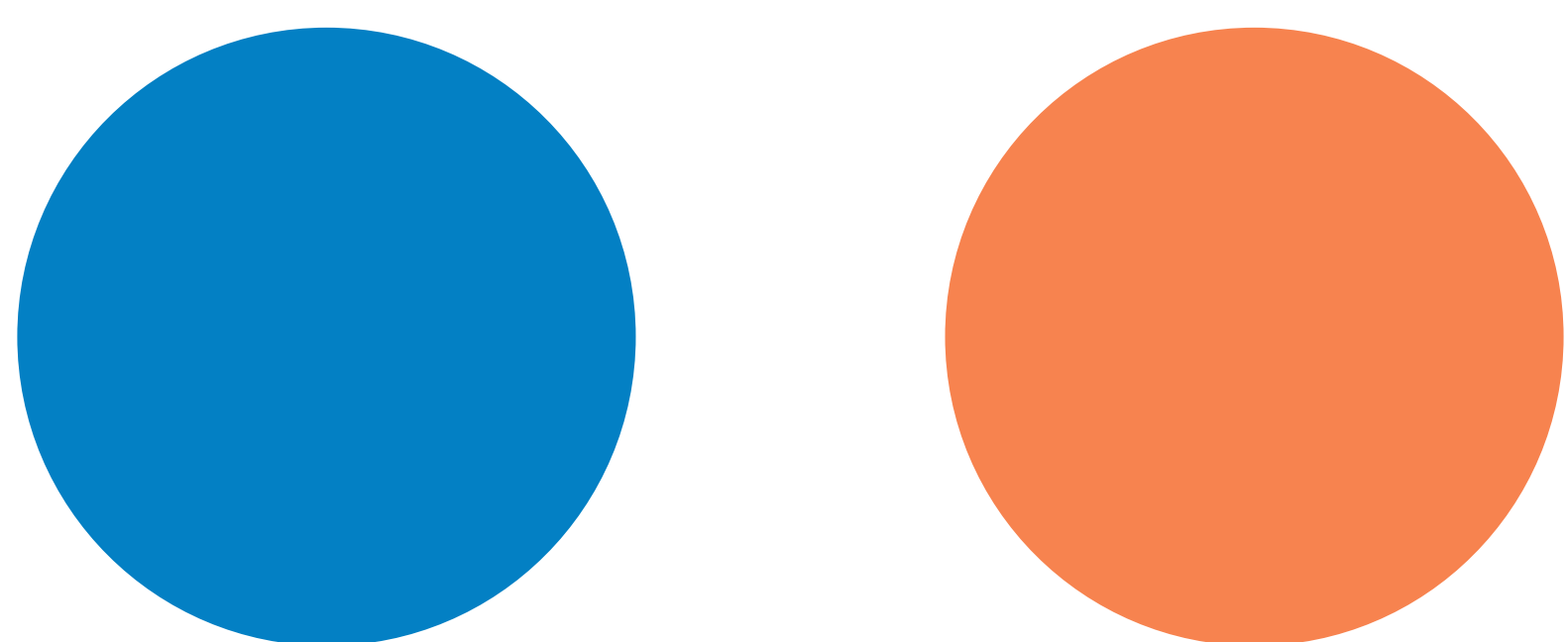
5 Squared based pyramid



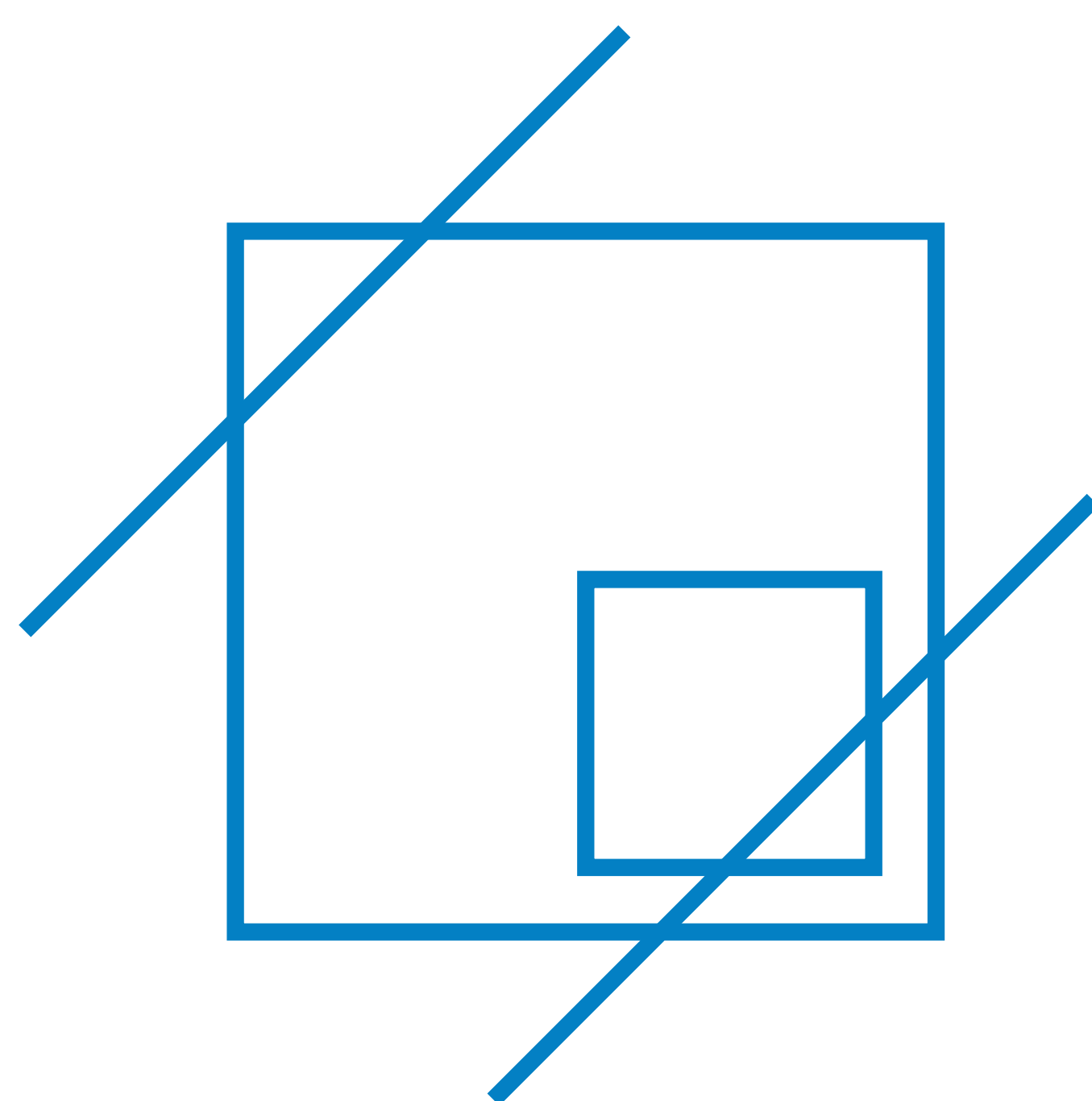
2 Challenge two

Describe these images to someone else without letting them see them. They need to draw what you describe. How close did they get?

1



2



3

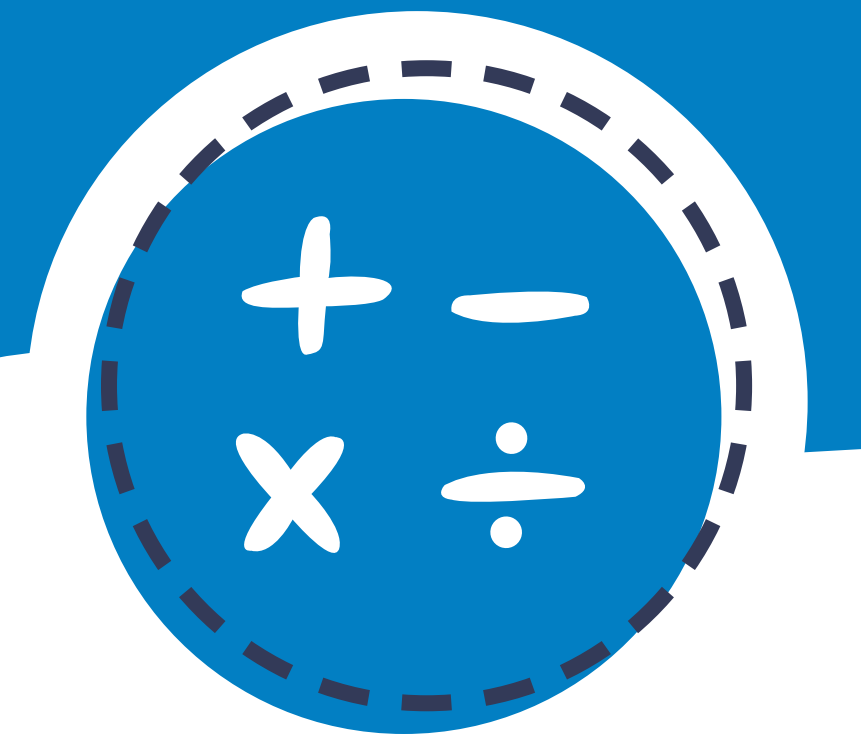


**Top tip**

Think about the mathematical language you can use to make your description as accurate as possible.

The better the description the easier it will be for them to draw.





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4 Make your own drawing to describe to another person.

3 **Challenge three**  
You have 6 pencils. How can you make 4 triangles at the same time?

4 **Challenge four**  
How many triangles can you see?

