Properties of Shapes

Warm-Up

twinkl
Quality Standard Approved

Draw the 2D shape

I have four sides.
I have four corners.
My sides are all equal lengths.

What am I?

answer

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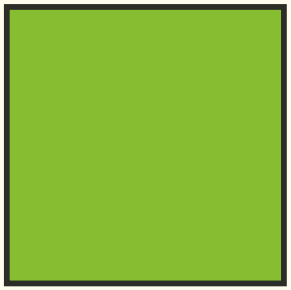
Draw the 2D shape

I have four sides.
I have four corners.
My sides are all equal lengths.

What am I?



square

answer

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Draw the 2D shape

I have one side.
My side is curved.

What am I?

answer

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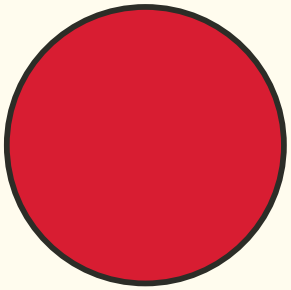
Draw the 2D shape

I have one side.
My side is curved.

What am I?



circle

answer

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Is this a square?

Explain your reasoning.

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Is this a square?

Explain your reasoning.

answer No, because it doesn't have four equal sides.

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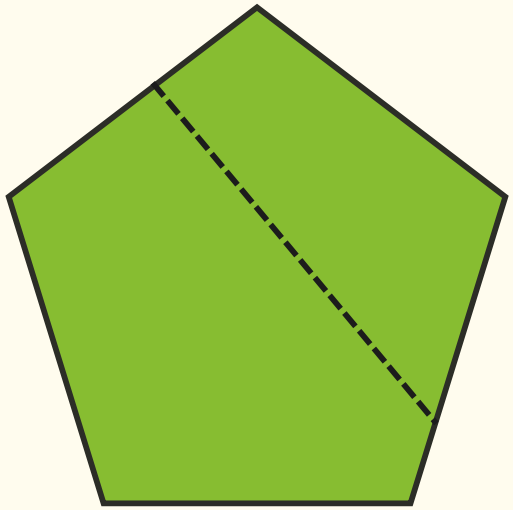
Is this a line of symmetry?



How do you know?

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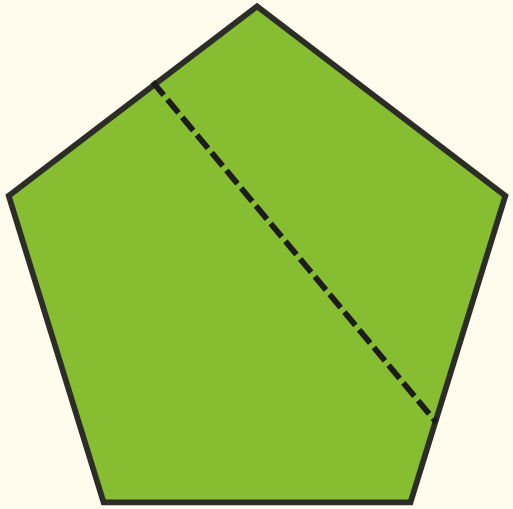
Is this a line of symmetry?



How do you know?

answer

No, because the shape is not the same on both sides of the line.

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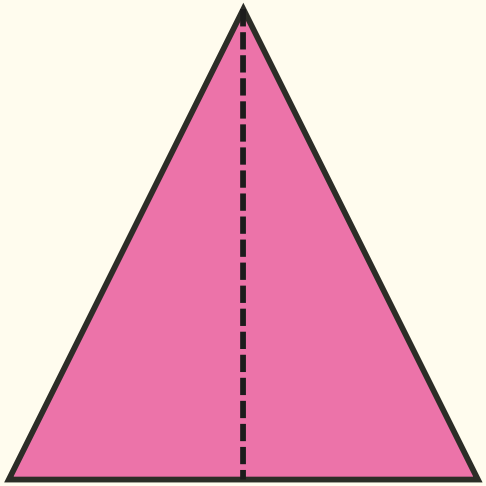
Is this a line of symmetry?



How do you know?

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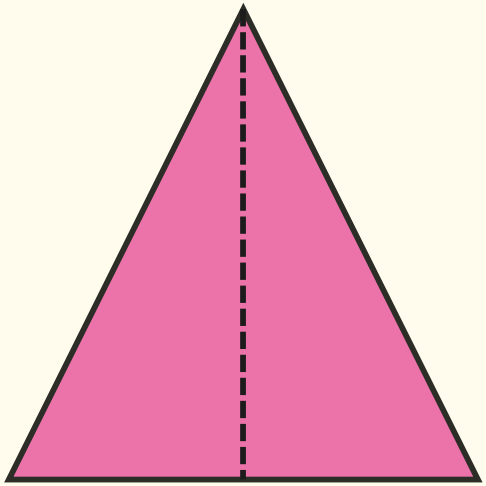
Is this a line of symmetry?



How do you know?

answer Yes, because the shape is the same on both sides of the line.

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Which 2D shape is hiding?

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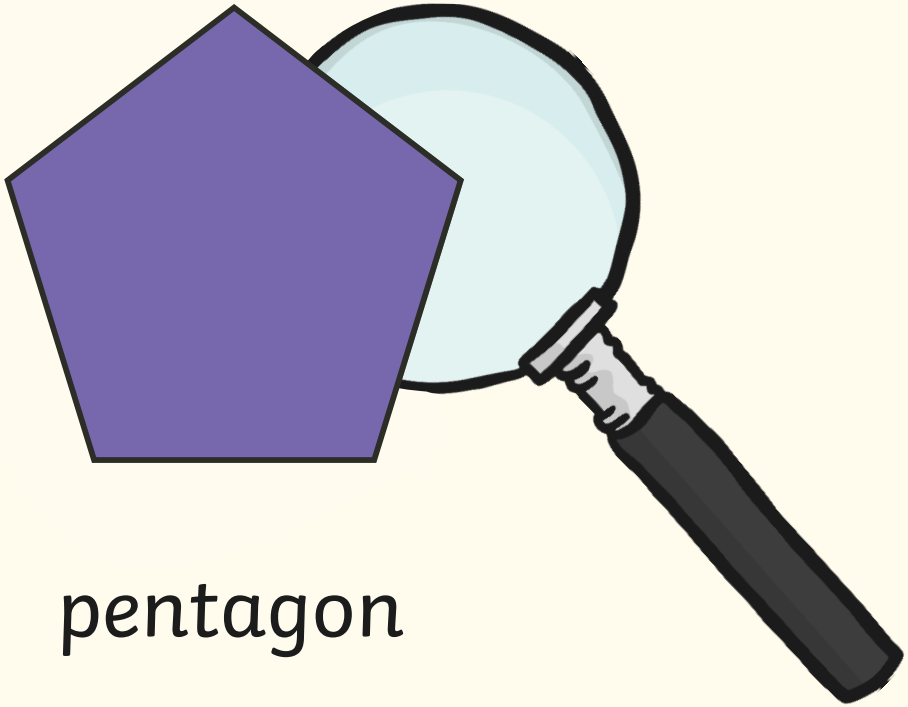
Which 2D shape is hiding?



pentagon

answer

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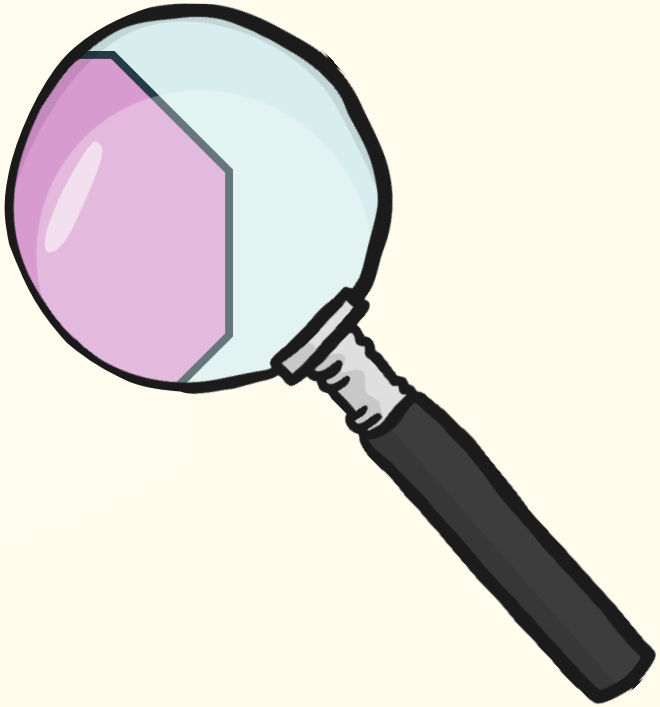
Which 2D shape is hiding?



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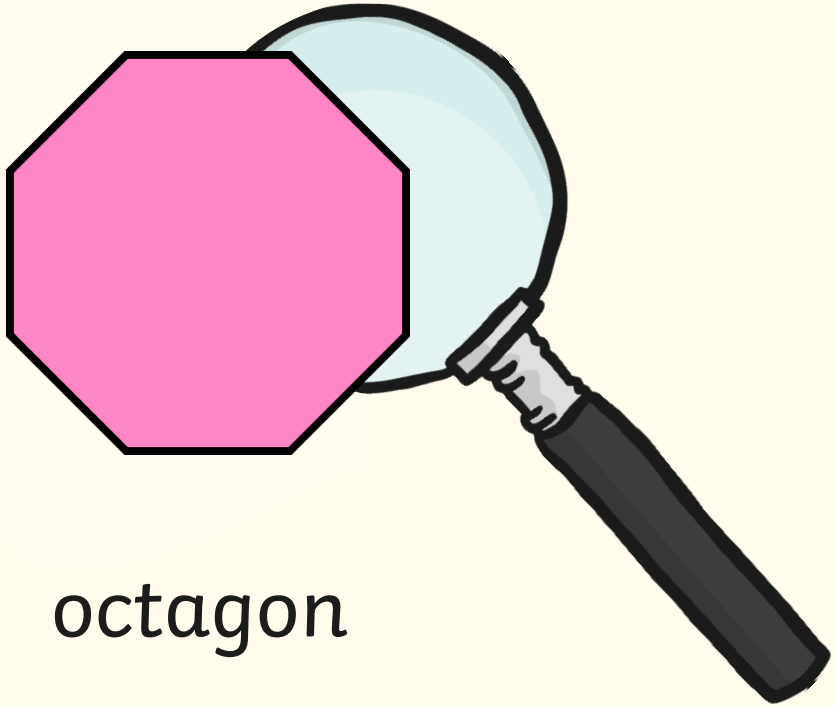
Which 2D shape is hiding?



octagon

answer

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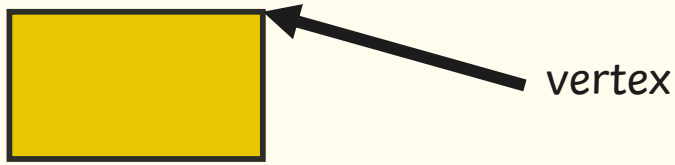
A vertex

A vertex is the point where two or more straight lines meet (like a corner).



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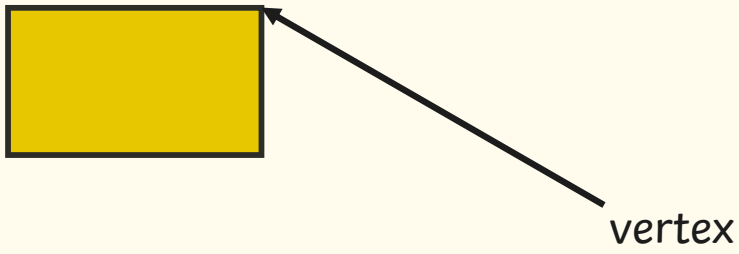
Vertices



If a shape has more than one vertex, we use the term **vertices.**

The rectangle has 4 vertices.

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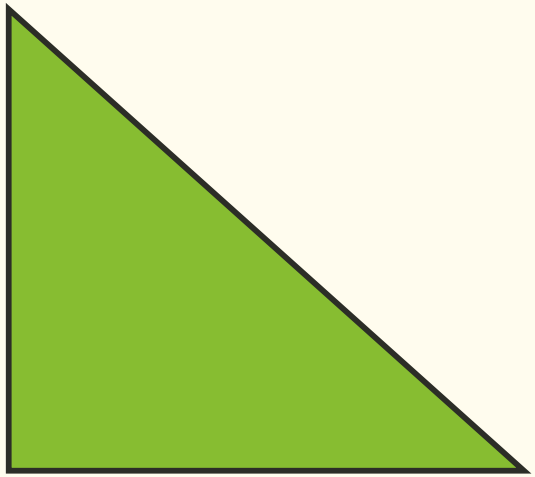
Vertices



How many **vertices** does this shape have?

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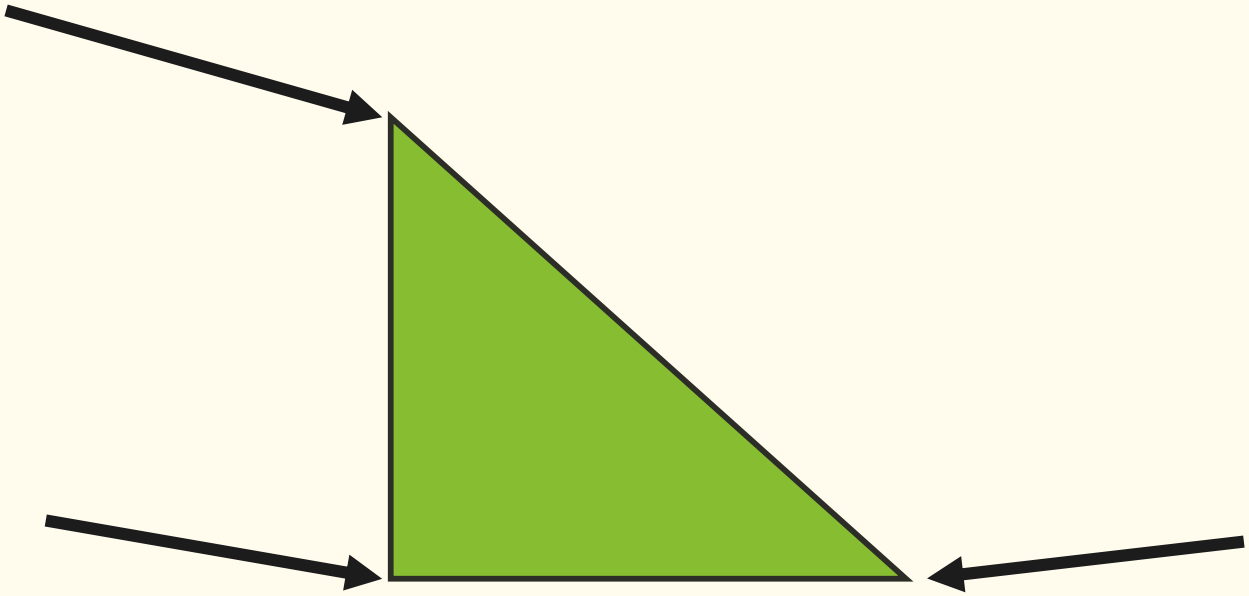
Vertices



The triangle has 3 **vertices.**

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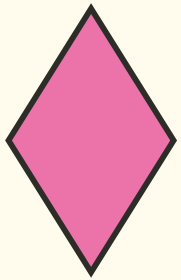
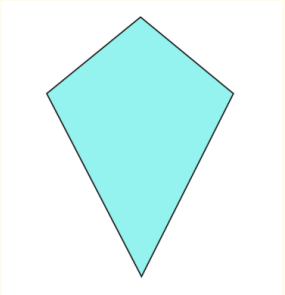
Quadrilateral

A **quadrilateral** is a shape with 4 sides.

A square is a quadrilateral.



A diamond is a quadrilateral.



A kite shape is a quadrilateral.

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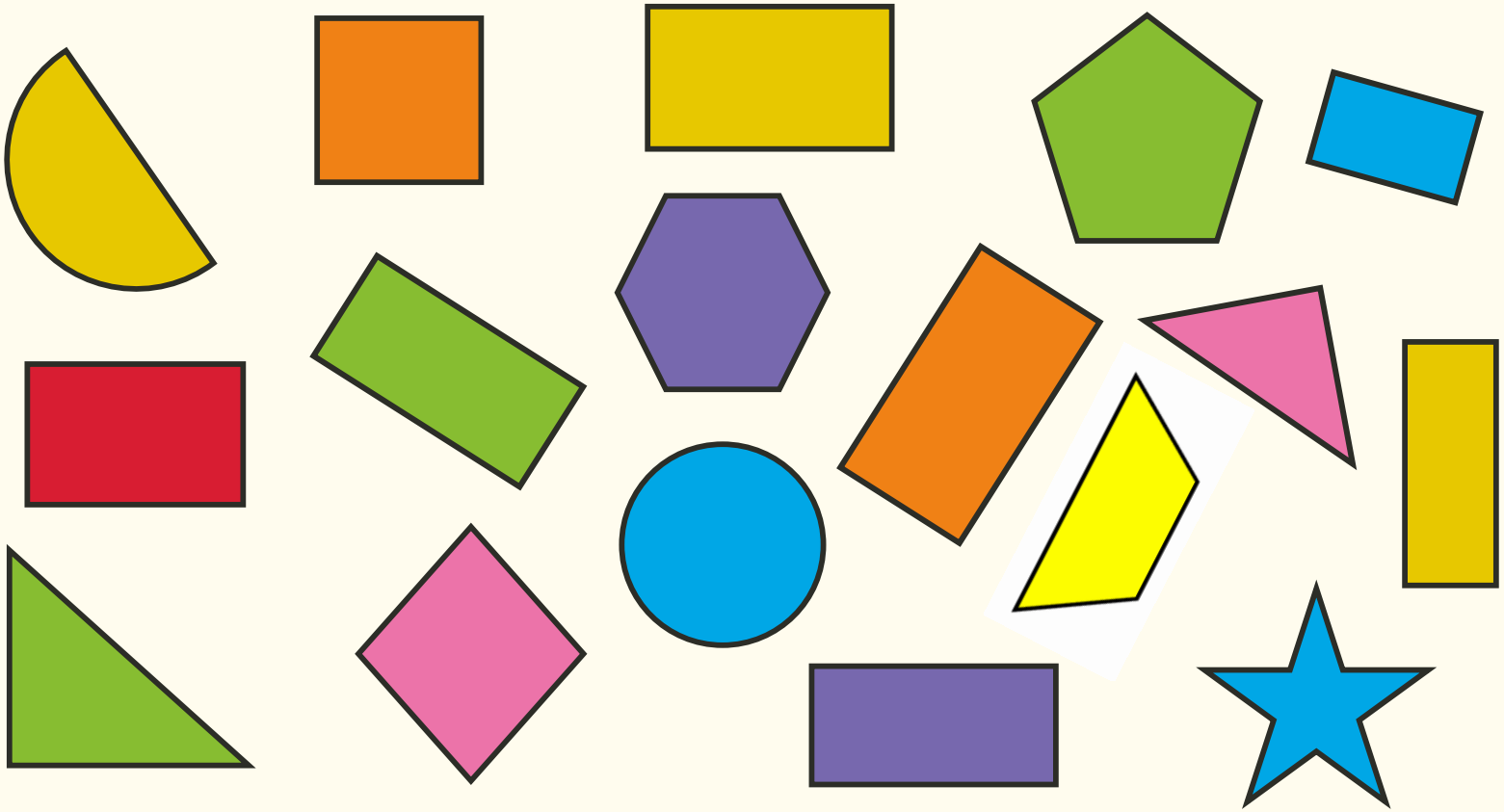
How many quadrilaterals can you see?



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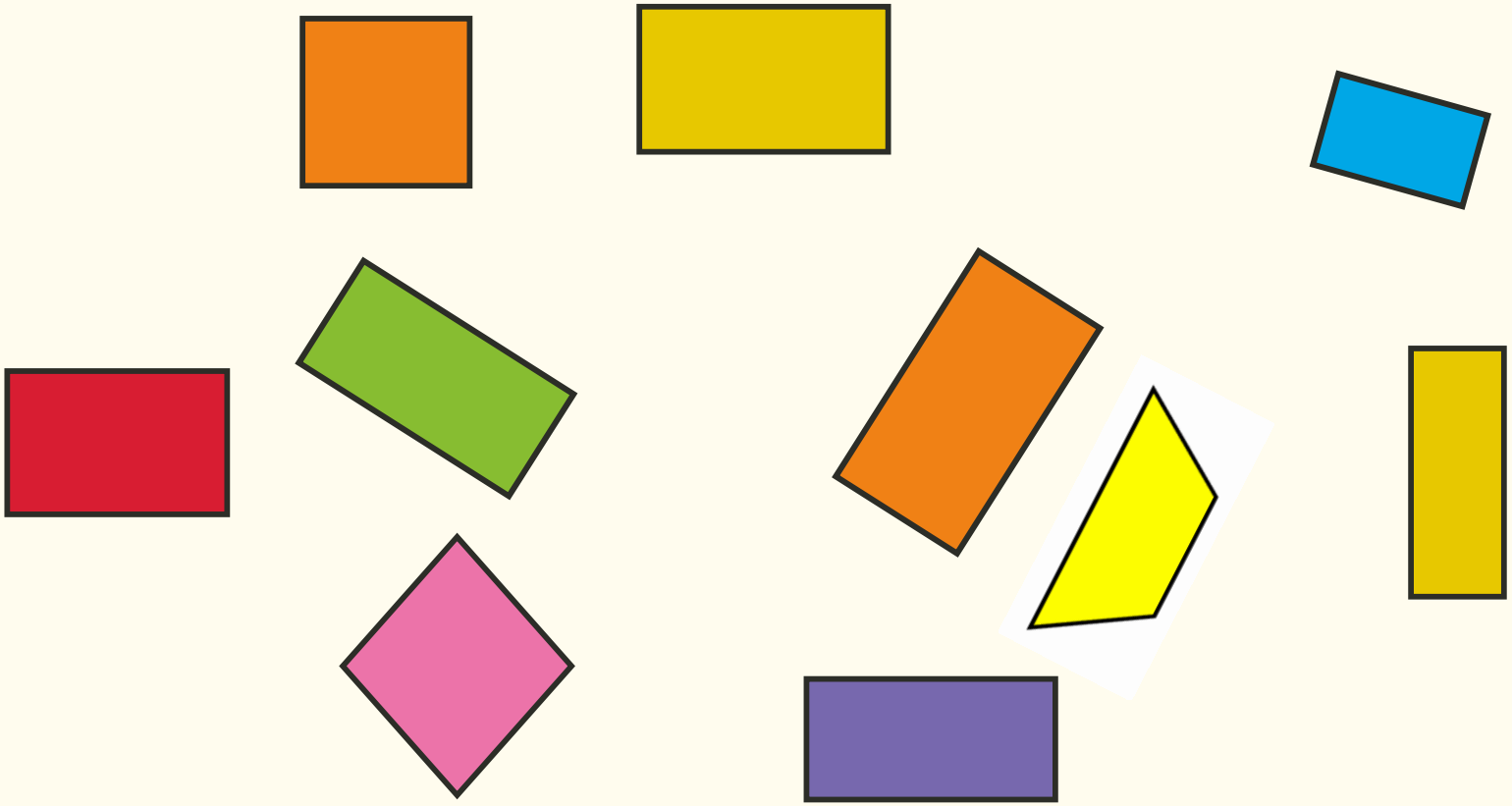
How many quadrilaterals can you see?



answer

There are 10 quadrilaterals.

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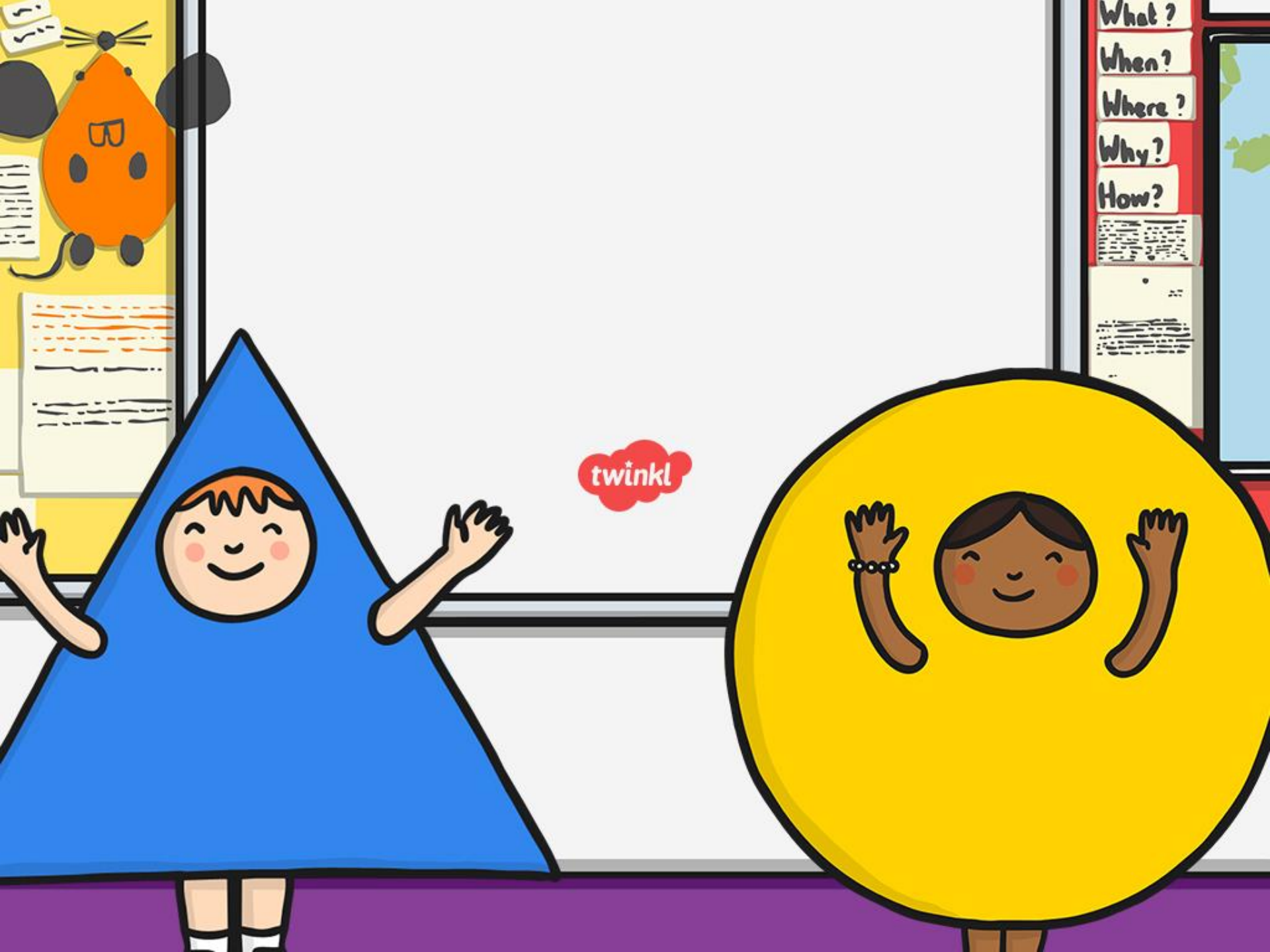
What?
When?
Where?
Why?
How?
twinkl