LIFE/work balance

#LIFEworkbalance

We have started a #LIFEworkbalance campaign and we need your help to complete our LIFE/work balance survey.

We hope to publish the results soon, so please give 15 minutes of your time to help us get a true picture of school life.

Want to be a part of this campaign? Take the survey on our website and share it with your colleagues!

Year 4 – Summer Block 1 – Properties of Shape – Triangles

About This Resource:

This PowerPoint has been designed to support your teaching of this small step. It includes a starter activity and an example of each question from the Varied Fluency and Reasoning and Problem Solving resources also provided in this pack. You can choose to work through all examples provided or a selection of them depending on the needs of your class.

National Curriculum Objectives:

Mathematics Year 4: (4G2a) Compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes

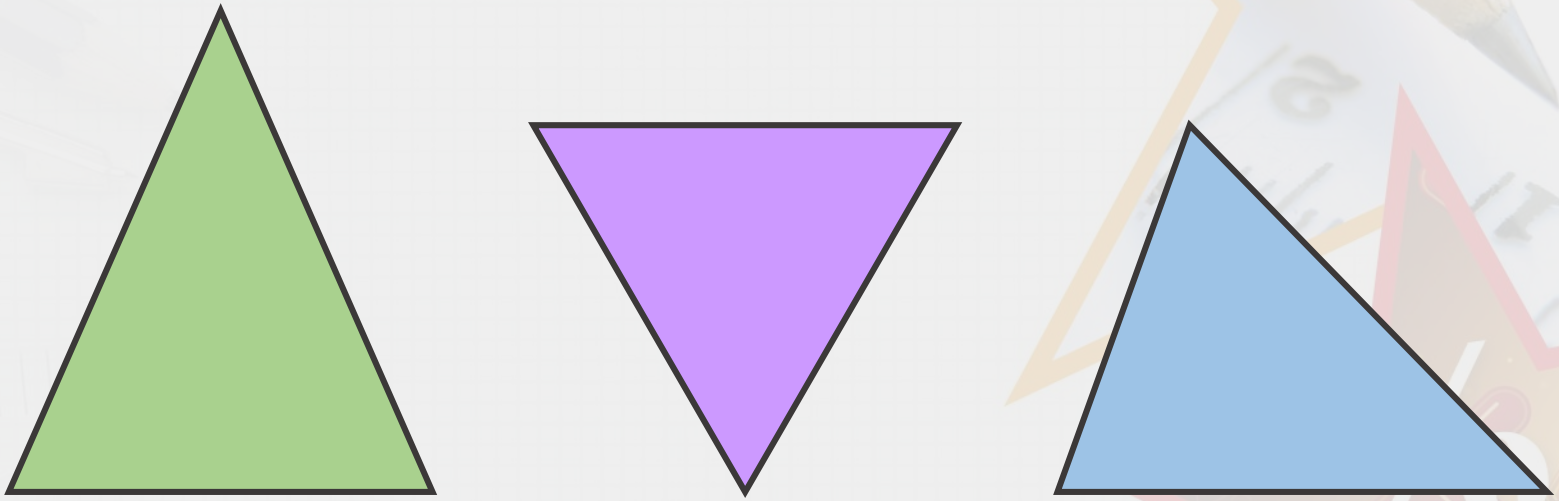
More Year 4 Properties of Shape resources.

Did you like this resource? Don't forget to review it on our website.

Step 3: Triangles

Introduction

What is the same and what is different about these triangles?



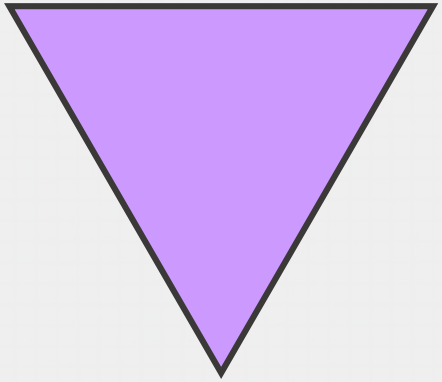
What is the name of each triangle?
What do you know about it?

Introduction

What is the same and what is different about these triangles?

Answers might include: different colours, different sizes, different shapes, all have 3 sides etc.

Isosceles
Has 2 sides of equal length.



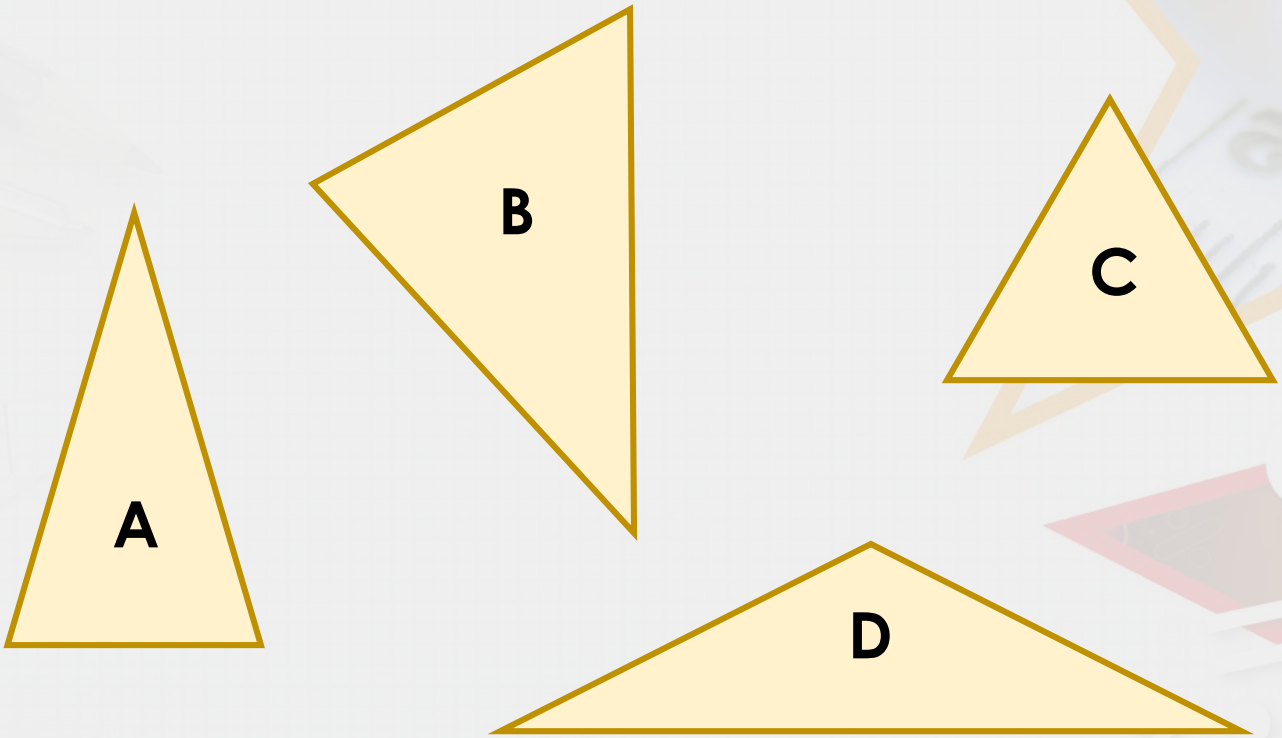
Equilateral
Has 3 sides of equal length.

Scalene
Has 0 sides of equal length.

What is the name of each triangle?
What do you know about it?

Varied Fluency 1

Tick the isosceles triangles.



Varied Fluency 1

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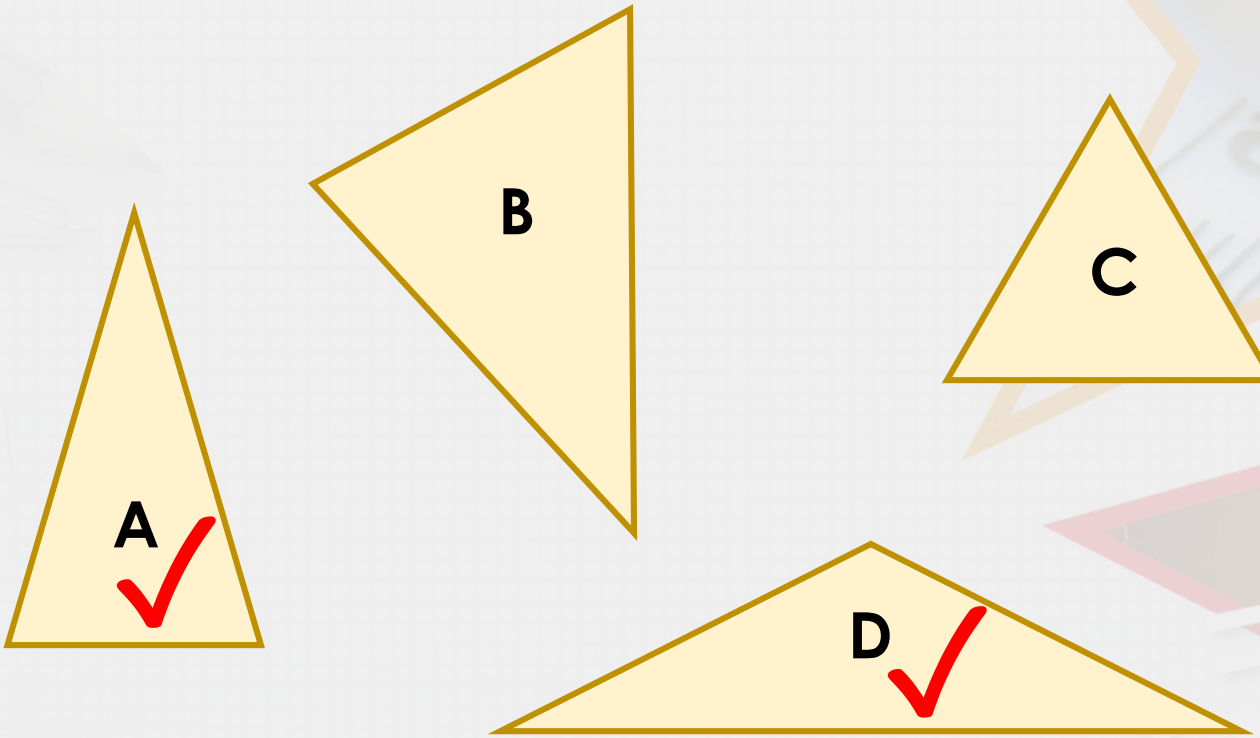
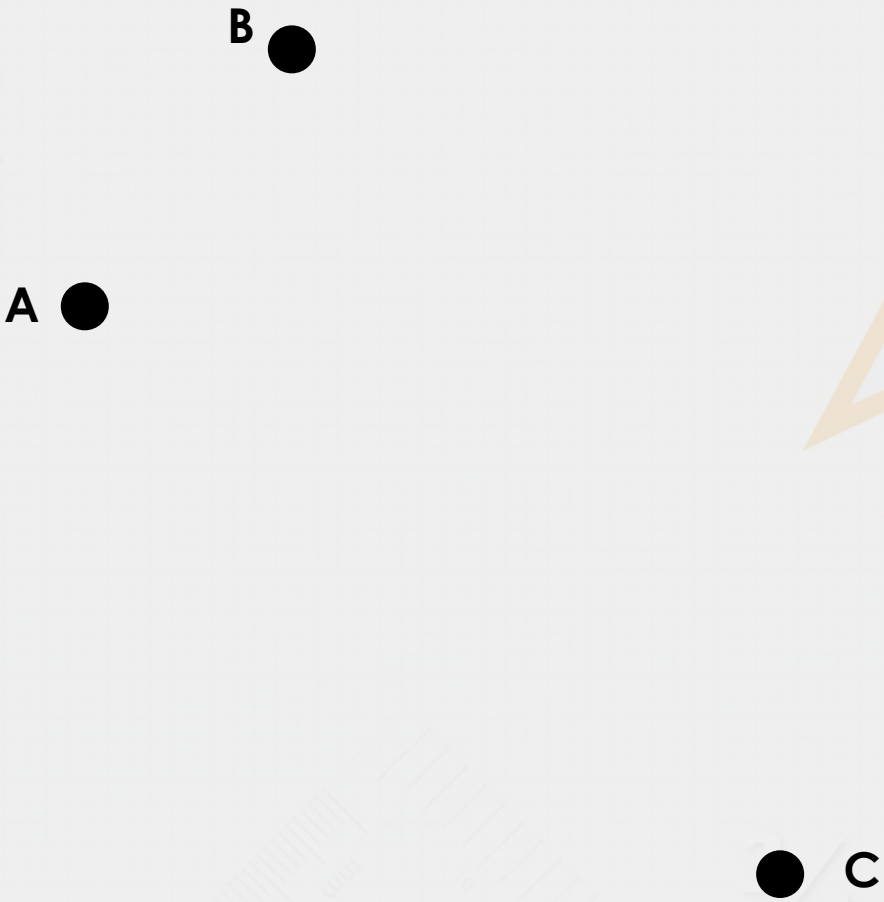


Varied Fluency 2

True or false? Connecting these dots will create a right angled triangle.



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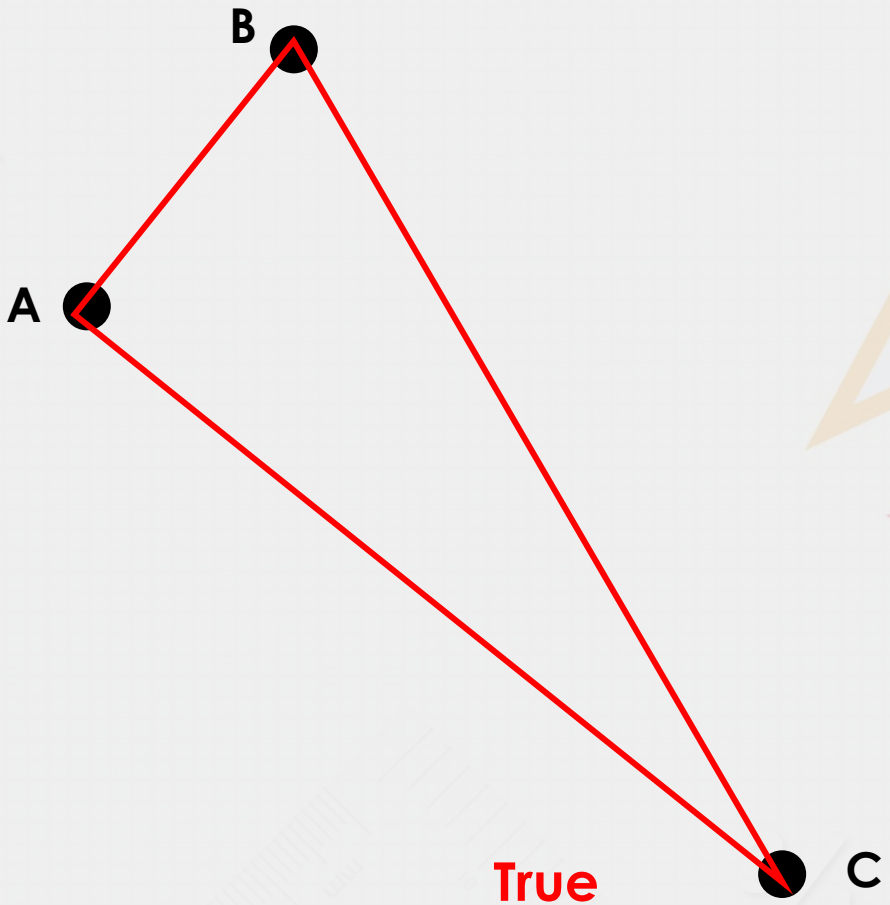
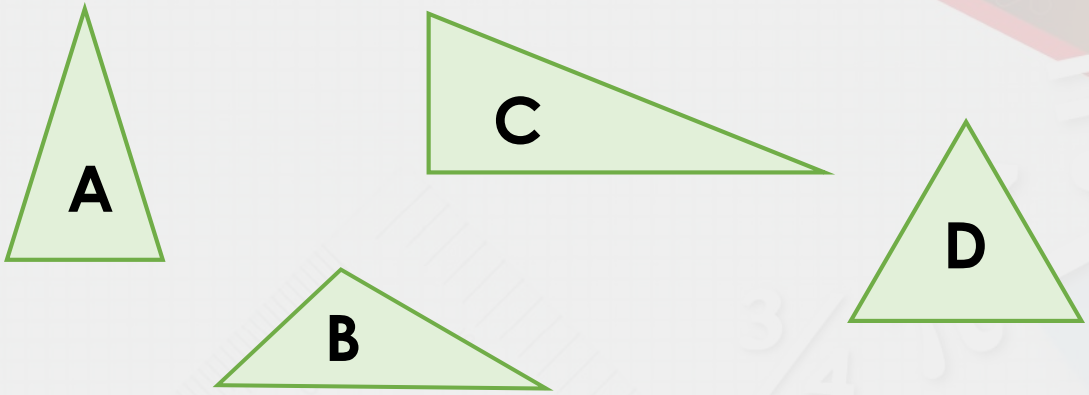


True

Varied Fluency 3

Sort the triangles into the table.

Scalene	Isosceles	Equilateral



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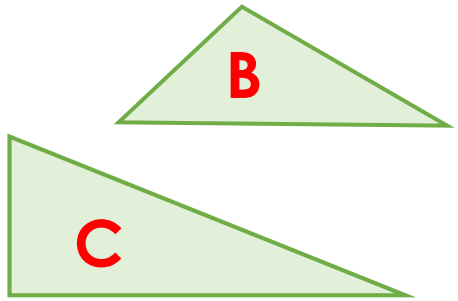
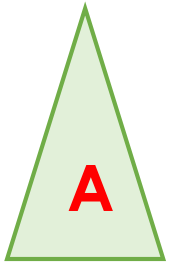
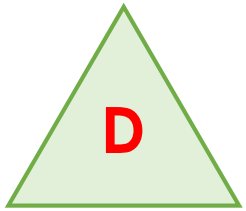
		

Varied Fluency 4

Use a ruler to draw a scalene triangle with the shortest side measuring 5 cm.

Varied Fluency 4

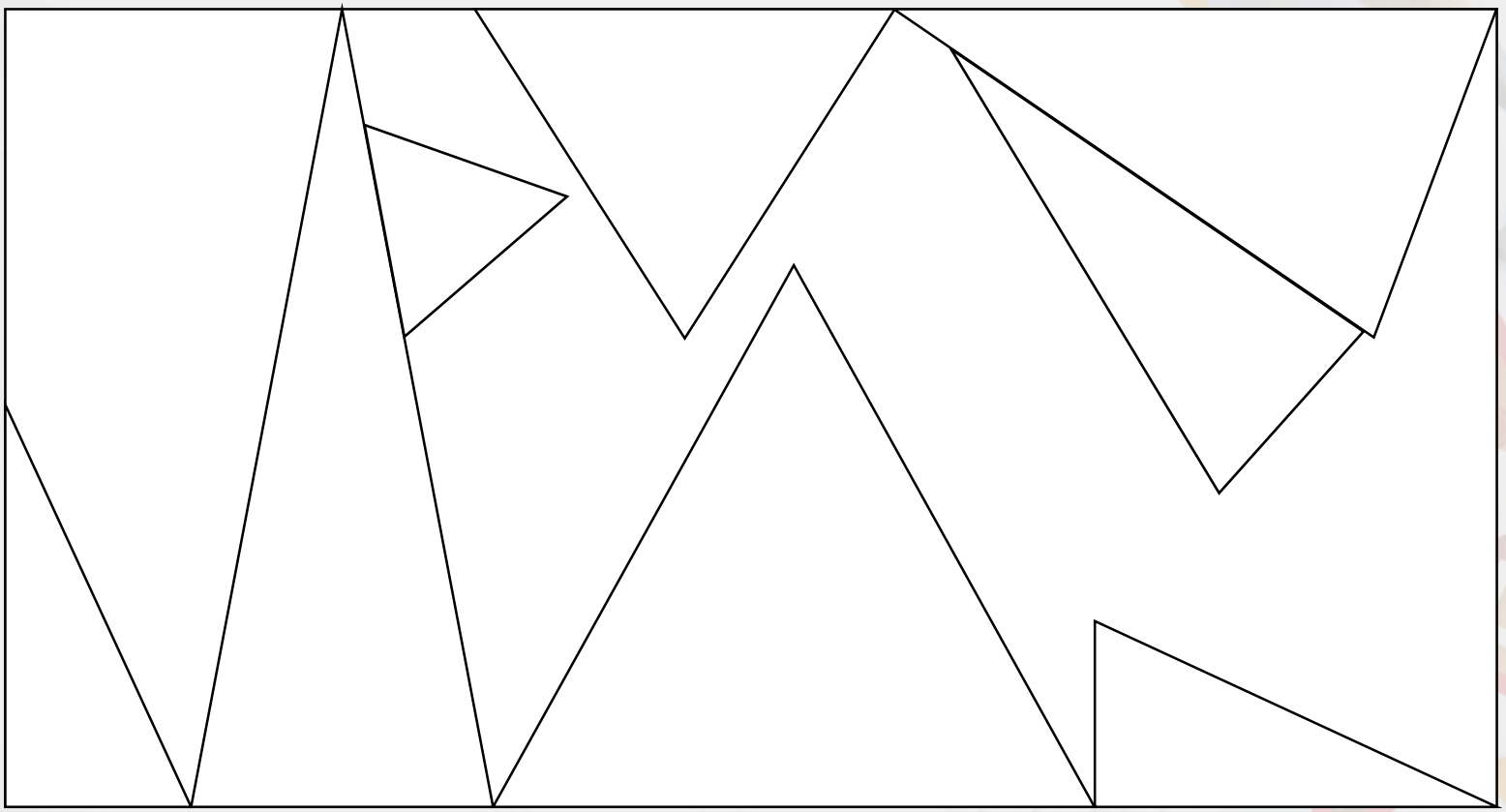
Use a ruler to draw a scalene triangle with the shortest side measuring 5 cm.

Check your partner's triangle. It MUST be a scalene triangle and have one side that measures 5cm.

This triangle has a base that measures 5cm (but it may appear bigger on the whiteboard).

Problem Solving 1

Colour the triangles in this image which are scalene. Use a ruler to help.



Problem Solving 1

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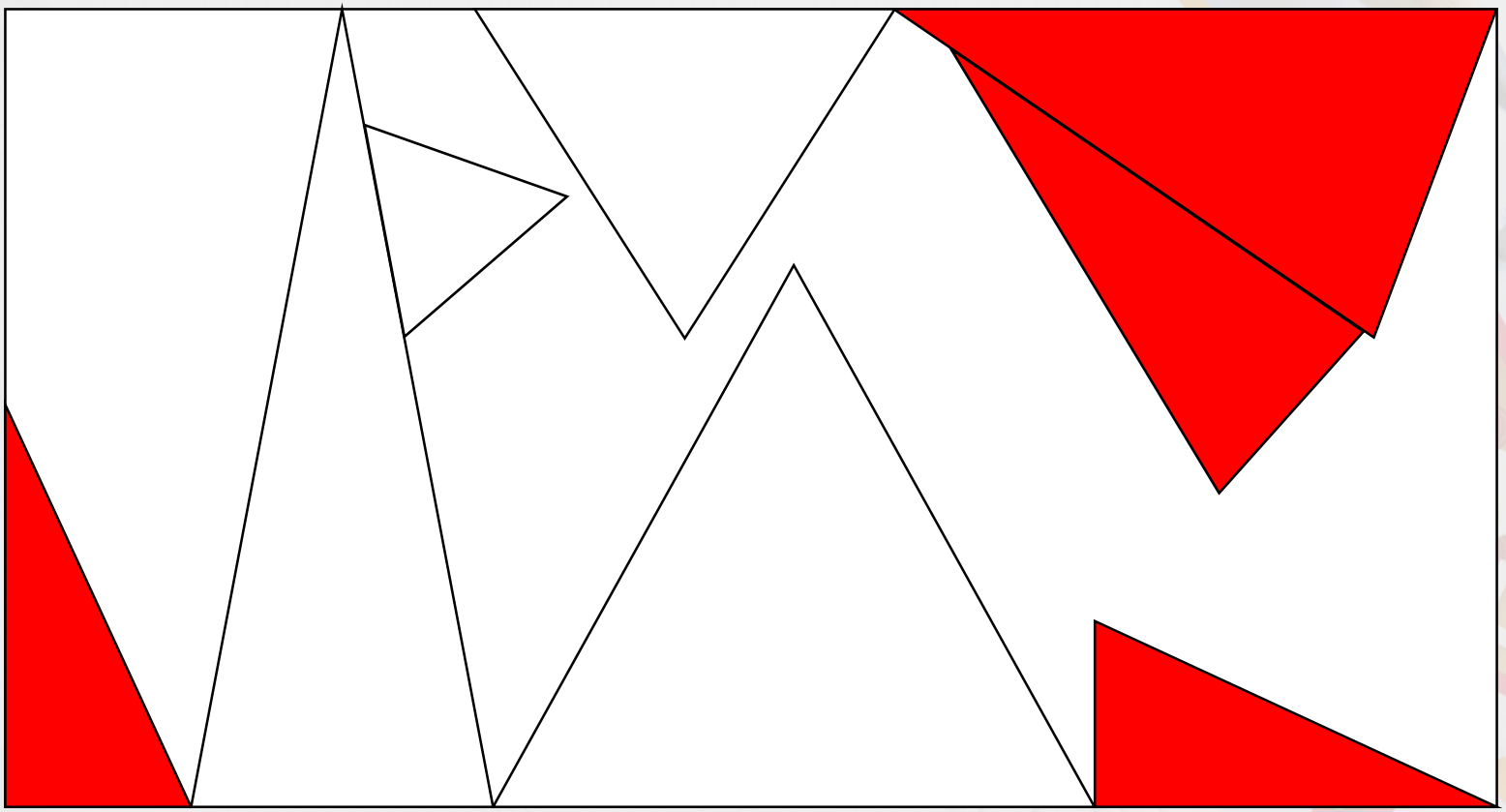

Reasoning 1

Holly is designing a logo for a car park.

She says,

The logo includes no scalene triangles.

Is she correct? Explain your answer.

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The logo includes no scalene triangles.

Is she correct? Explain your answer.
Yes because…

Reasoning 1

Holly is designing a logo for a car park.

She says,

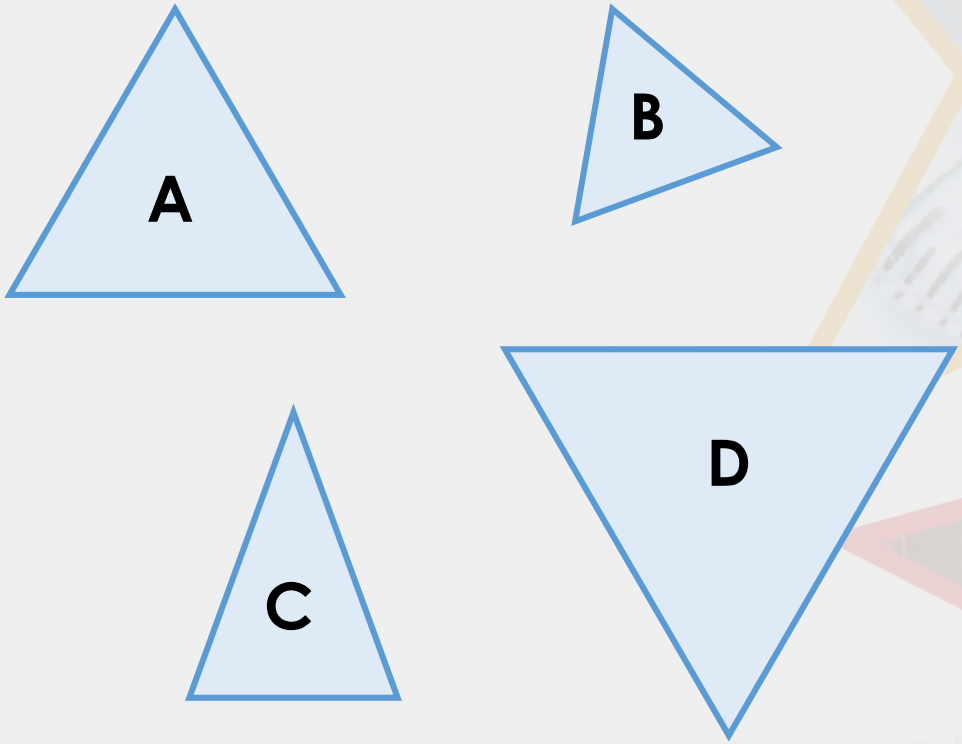
The logo includes no scalene triangles.

Is she correct? Explain your answer.

Yes because the left and right triangles are isosceles because they have 2 equal sides and the middle triangle is equilateral because it has 3 equal sides.

Reasoning 2

Which triangle is the odd one out?
Why?



Reasoning 2

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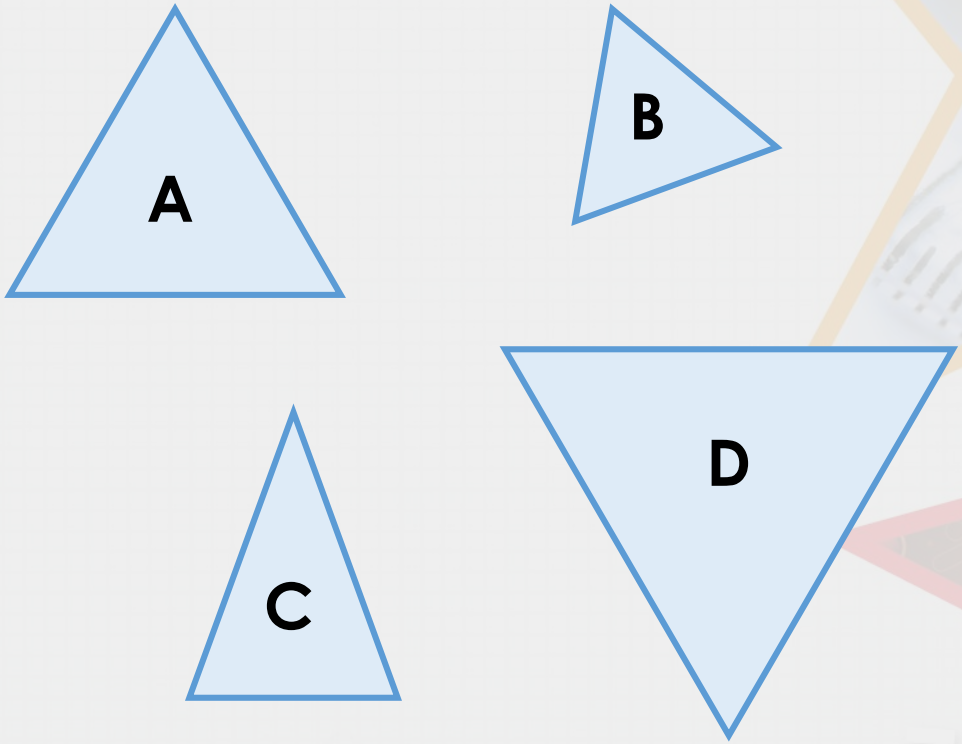

C because…

Reasoning 2

Which triangle is the odd one out?
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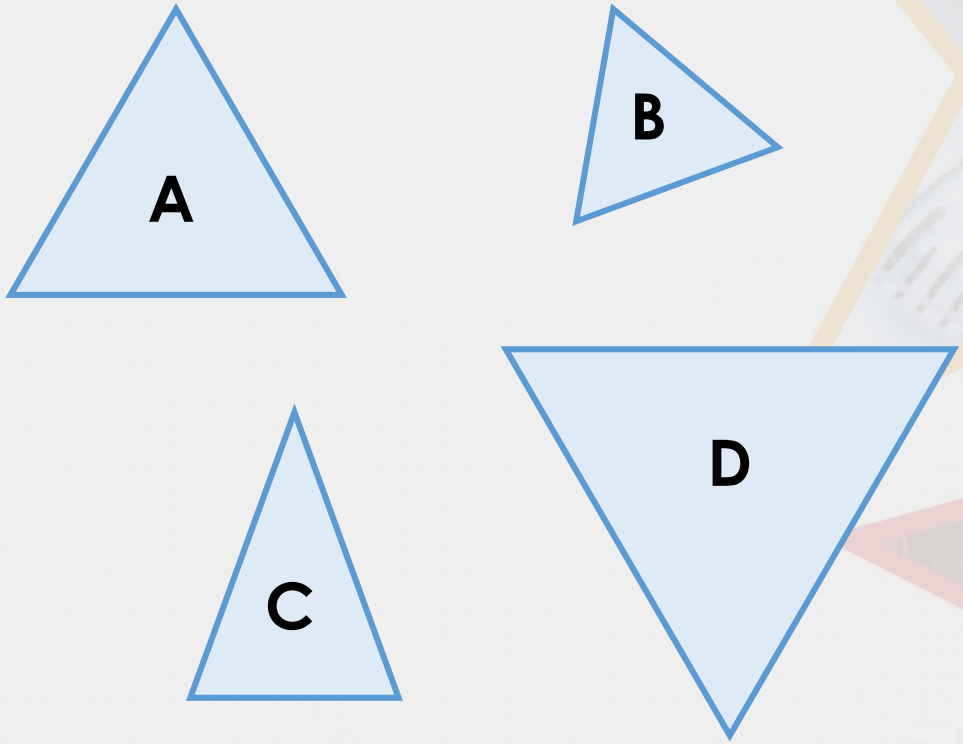

C because it is the only isosceles triangle.
The rest are equilateral.