

Varied Fluency

Step 3: Triangles

National Curriculum Objectives:

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

Differentiation:

Developing Questions to support identifying, sorting and drawing triangles. All triangles presented with a horizontal base. Up to 3 triangles per question.

Expected Questions to support identifying, sorting and drawing triangles. Most triangles presented with a horizontal base. Up to 4 triangles per question.

Greater Depth Questions to support identifying, sorting and drawing triangles. Triangles presented in different orientations. Up to 4 triangles per question, with some triangles presented in other shapes.

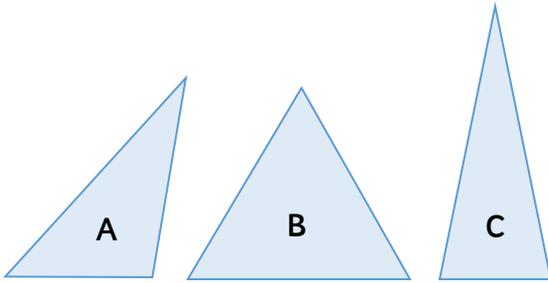
More [Year 4 Properties of Shape](#) resources.

Did you like this resource? Don't forget to [review](#) it on our website.

Triangles

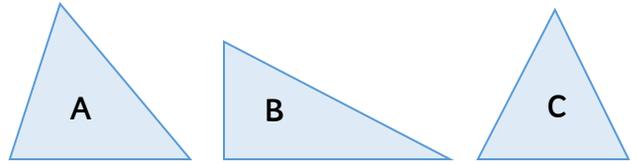
Triangles

1a. Tick the isosceles triangle.



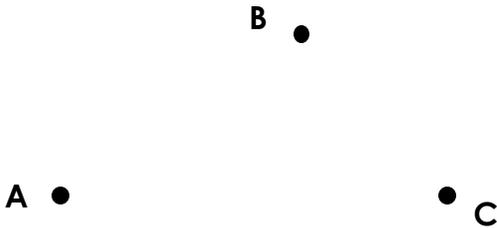
VF

1b. Tick the scalene triangle.



VF

2a. True or false? Connecting these dots will create an isosceles triangle.



VF

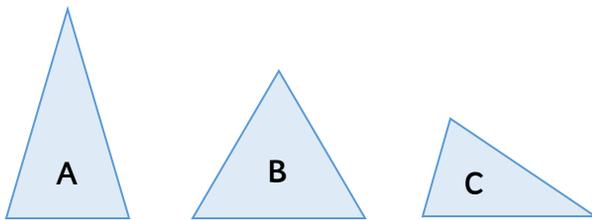
2b. True or false? Connecting these dots will create a right angle triangle.



VF

3a. Sort the triangles into the table.

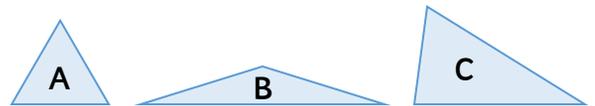
Scalene	Isosceles	Equilateral



VF

3b. Sort the triangles into the table.

Scalene	Isosceles	Equilateral



VF

4a. Use a ruler to draw a scalene triangle including this side measuring 7cm.



VF

4b. Use a ruler to draw an isosceles triangle including this side measuring 3cm.

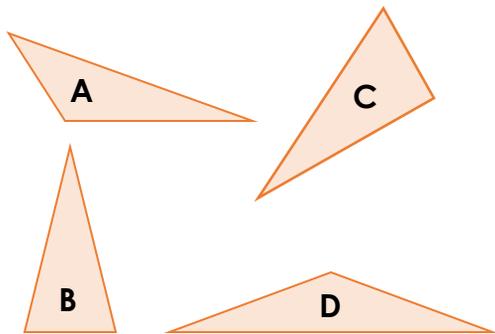


VF

Triangles

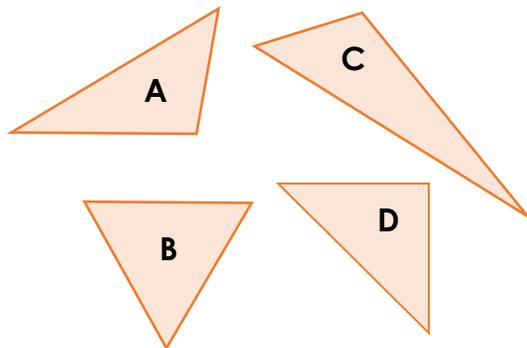
Triangles

5a. Tick any isosceles triangles.



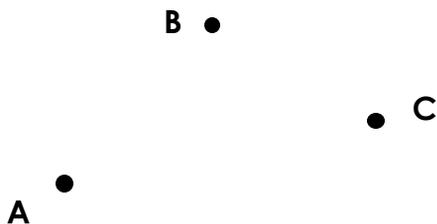
VF

5b. Tick any scalene triangles.



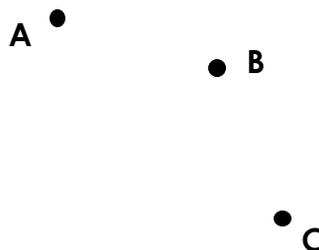
VF

6a. True or false? Connecting these dots will create an equilateral triangle.



VF

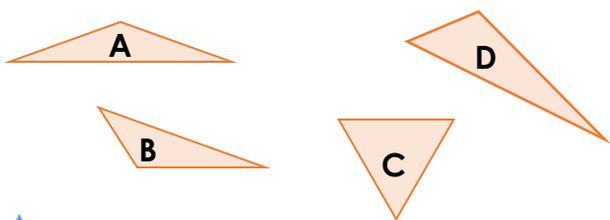
6b. True or false? Connecting these dots will create an isosceles triangle.



VF

7a. Sort the triangles into the table.

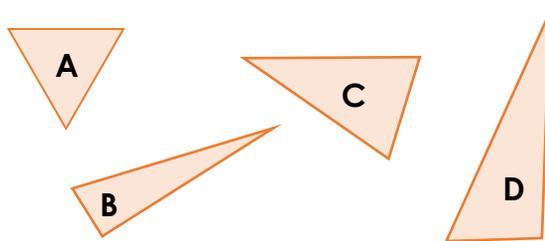
Scalene	Isosceles	Equilateral



VF

7b. Sort the triangles into the table.

Scalene	Isosceles	Equilateral



VF

8a. Use a ruler to draw a scalene triangle with the shortest side measuring 3cm.



VF

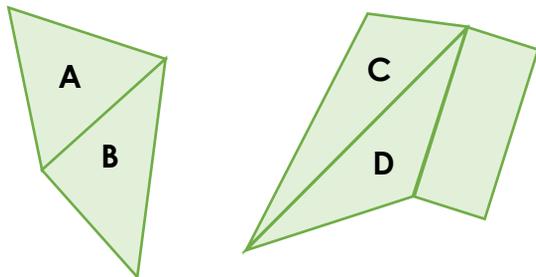
8b. Use a ruler to draw an isosceles triangle with the base measuring 5cm.



VF

Triangles

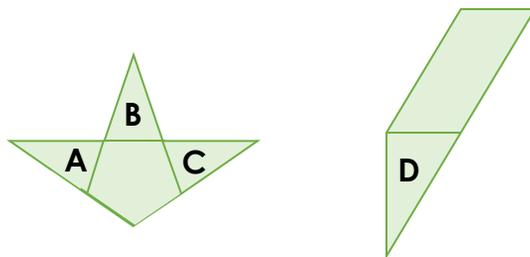
9a. Tick any scalene triangles within these shapes.



VF

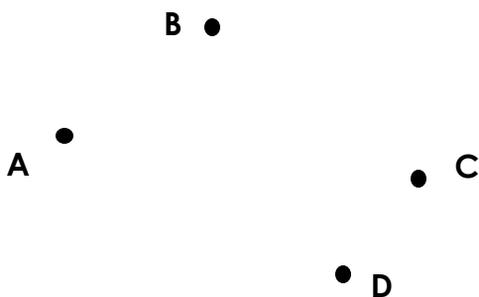
Triangles

9b. Tick any isosceles triangles within these shapes.



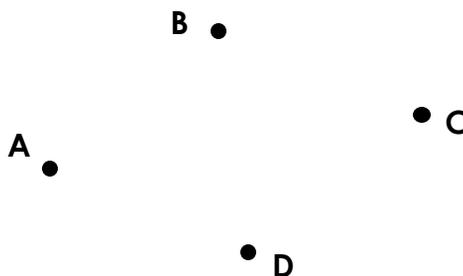
VF

10a. True or false? Connecting three of these dots will create a scalene triangle.



VF

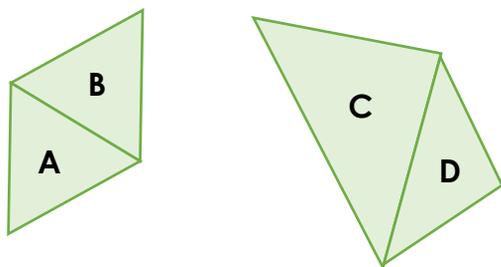
10b. True or false? Connecting three of these dots will create an equilateral triangle.



VF

11a. Sort the triangles into the table.

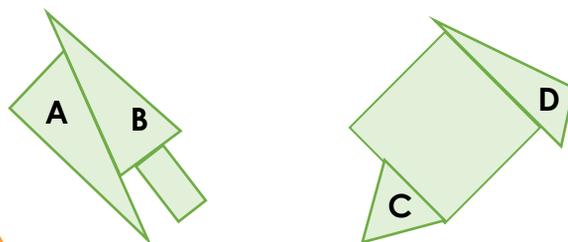
Scalene	Isosceles	Equilateral



VF

11b. Sort the triangles into the table.

Scalene	Isosceles	Equilateral



VF

12a. Use a ruler to draw an isosceles triangle with two sides measuring 3.2cm.



VF

12b. Use a ruler to draw a right angle triangle with one side measuring 2.3cm and another measuring 5.1cm.



VF

Varied Fluency Triangles

Developing

- 1a. **C**
- 2a. **False; it is scalene.**
- 3a. **Scalene – C; Isosceles – A; Equilateral – B**
- 4a. **Suitable scalene triangle drawn with a ruler – one side measuring 7cm**

Expected

- 5a. **B, D**
- 6a. **False; it is scalene.**
- 7a. **Scalene – B, D; Isosceles – A; Equilateral – C**
- 8a. **Suitable scalene triangle drawn with a ruler – one side measuring 3cm**

Greater Depth

- 9a. **B, C**
- 10a. **True – ABC, ABD, BCD**
- 11a. **Scalene – C; Isosceles – D; Equilateral – A, B**
- 12a. **Suitable scalene triangle drawn with a ruler – two sides measuring 3.2cm.**

Varied Fluency Triangles

Developing

- 1b. **A**
- 2b. **True**
- 3b. **Scalene – C; Isosceles – B; Equilateral – A**
- 4b. **Suitable isosceles triangle drawn with a ruler – one side measuring 3cm**

Expected

- 5b. **A, C**
- 6b. **True**
- 7b. **Scalene – D; Isosceles – B, C; Equilateral – A**
- 8b. **Suitable isosceles triangle drawn with a ruler – one side measuring 5cm**

Greater Depth

- 9b. **A, B, C**
- 10b. **True – ABD**
- 11b. **Scalene – A, B, D; Equilateral – C**
- 12b. **Suitable right angle triangle drawn with a ruler – one side measuring 2.3cm and another measuring 5.1cm.**