

# 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.

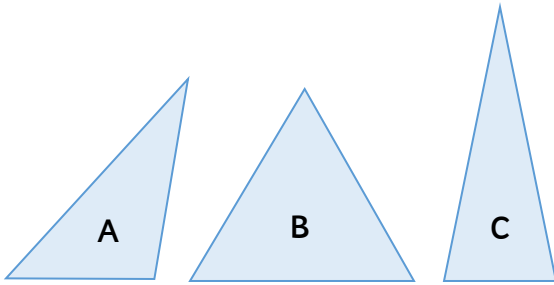
**Greater Depth** Questions to support identifying, sorting and drawing triangles. Triangles presented in different orientations. Up to 4 triangles per question, with some triangles presented in other shapes.

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

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

## Triangles

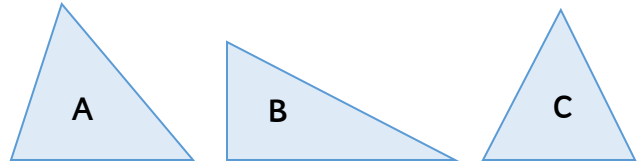
1a. Tick the isosceles triangle.



VF

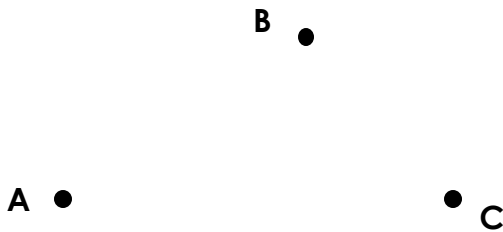
## Triangles

1b. Tick the scalene triangle.



VF

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



VF

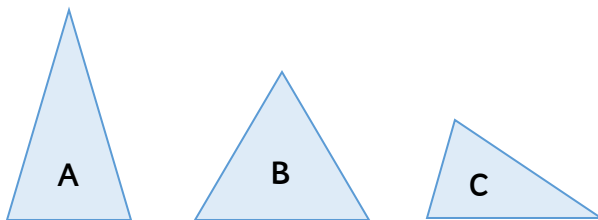
2b. True or false? Connecting these dots will create a right angle triangle.



VF

3a. Sort the triangles into the table.

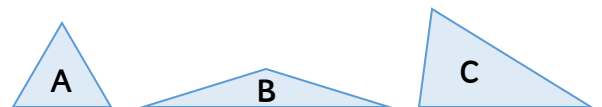
| Scalene | Isosceles | Equilateral |
|---------|-----------|-------------|
|         |           |             |



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.

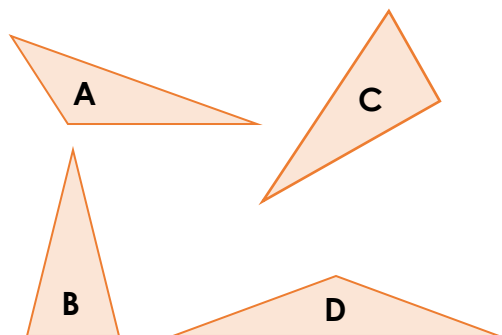


VF

# Triangles

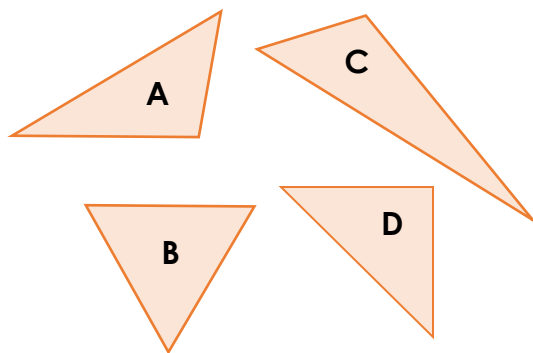
# Triangles

5a. Tick any isosceles triangles.



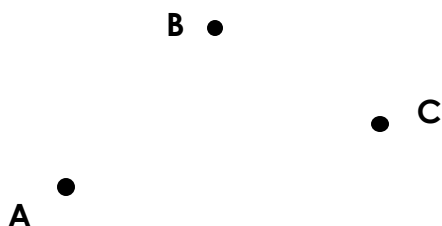
VF

5b. Tick any scalene triangles.



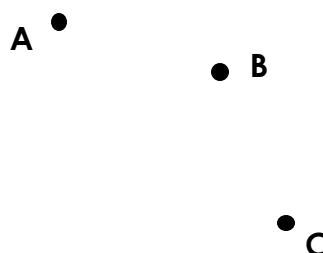
VF

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



VF

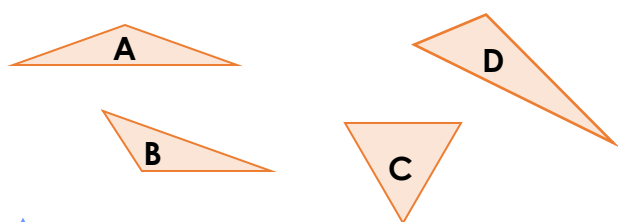
6b. True or false? Connecting these dots will create an isosceles triangle.



VF

7a. Sort the triangles into the table.

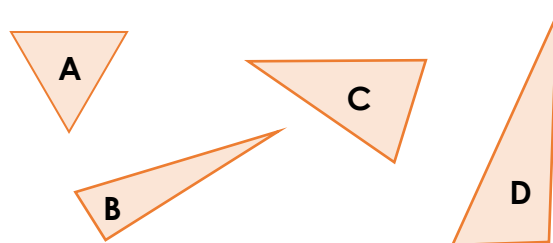
| Scalene | Isosceles | Equilateral |
|---------|-----------|-------------|
|         |           |             |



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

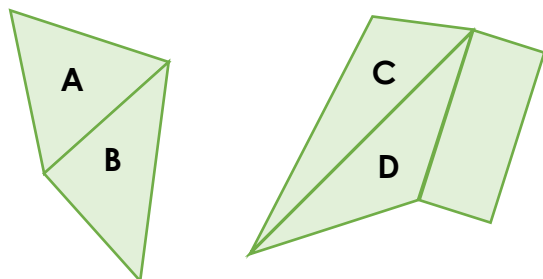
8b. Use a ruler to draw an isosceles triangle with the base measuring 5cm.



VF

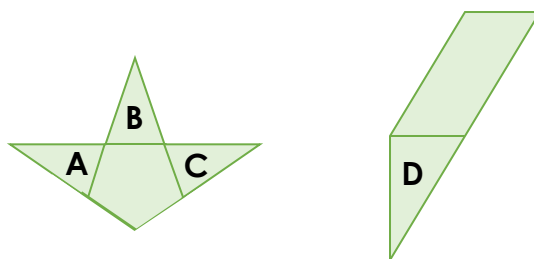
## Triangles

9a. Tick any scalene triangles within these shapes.



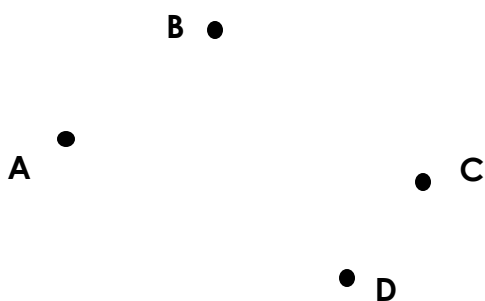
VF

9b. Tick any isosceles triangles within these shapes.



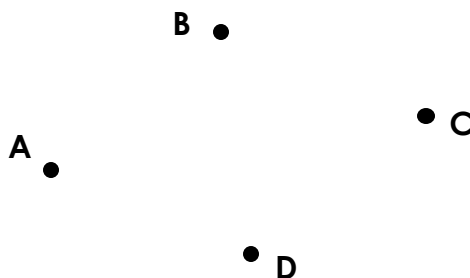
VF

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



VF

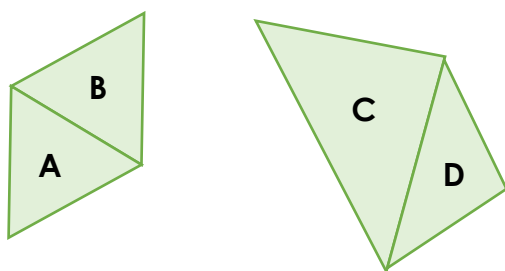
10b. True or false? Connecting three of these dots will create an equilateral triangle.



VF

11a. Sort the triangles into the table.

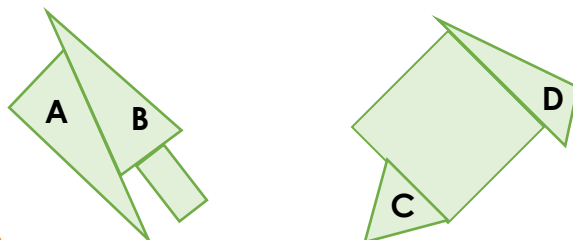
| Scalene | Isosceles | Equilateral |
|---------|-----------|-------------|
|         |           |             |



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.**