

Year 4 Maths

03.06.20

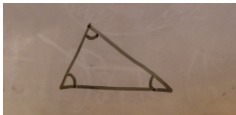
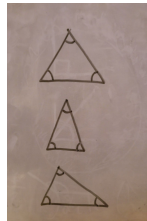
Steppingstone activity

LO: To identify triangles

Success Criteria:

- | |
|---|
| 1. Look at your triangles |
| 2. If all the angles are different, it's a scalene triangle |
| 3. If all the angles are the same, it's an equilateral triangle |
| 4. If it has two angles the same, it is an isosceles triangle |

Model



1.

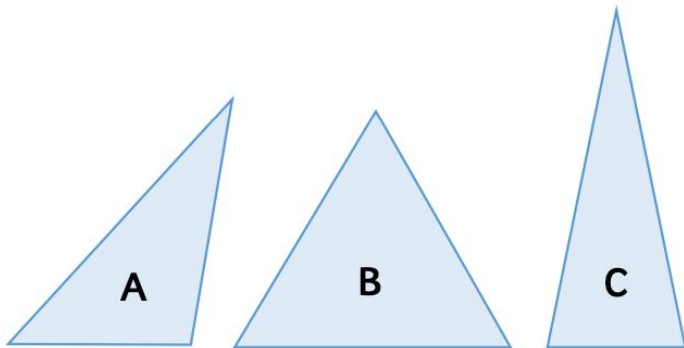
2.

3.

4.

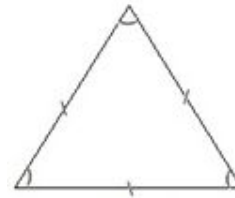
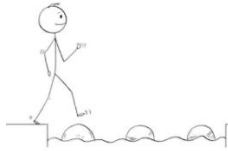
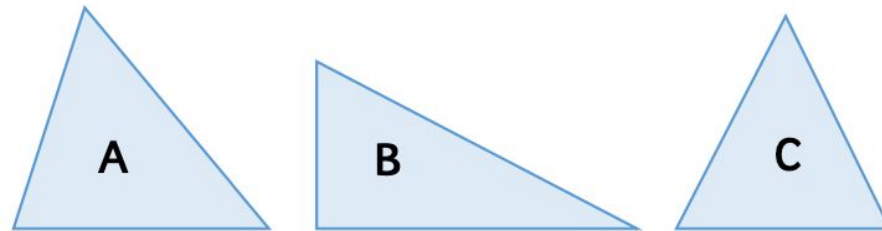
Now you try... Tick the isosceles triangle.

C



Tick the scalene triangle.

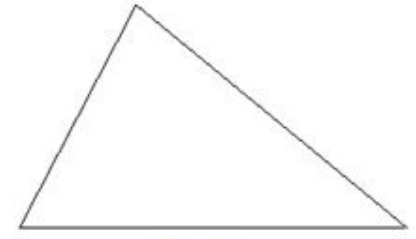
A



Equilateral



Isosceles



Scalene

Canonbury Home Learning
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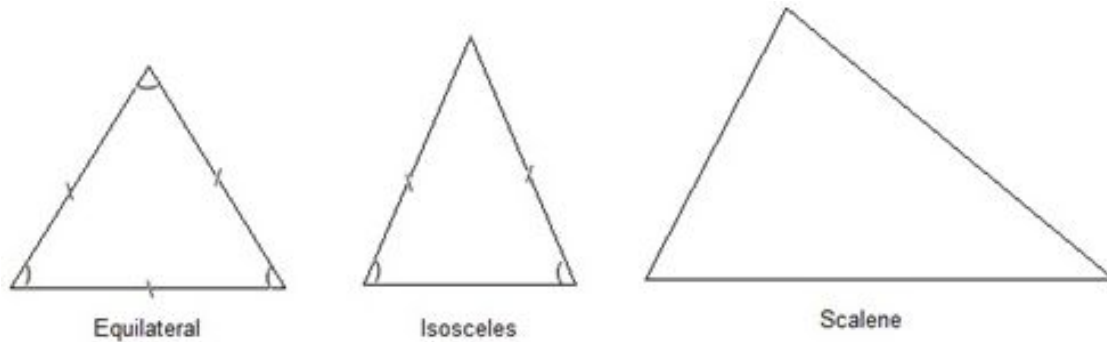
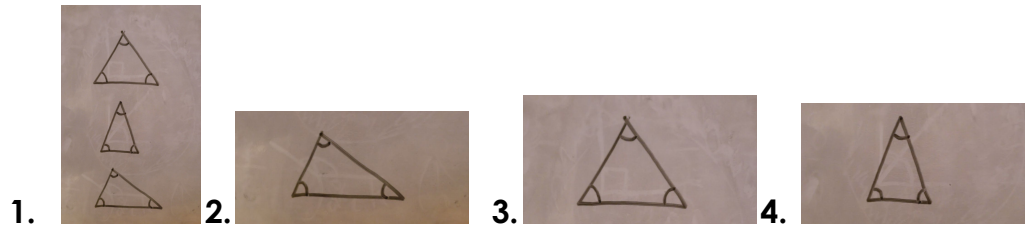
Steppingstone activity

LO: To identify triangles

Success Criteria:

5. Look at your triangles
6. If all the angles are different, it's a scalene triangle
7. If all the angles are the same, it's an equilateral triangle
8. If it has two angles the same, it is an isosceles triangle

Model:

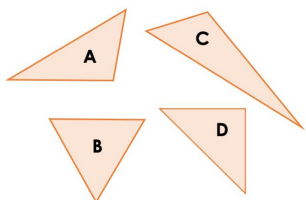


Task 1

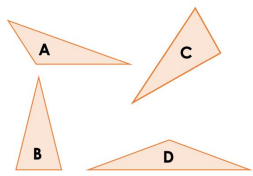
Practice:

Tick the isosceles triangles

Tick the Scalene triangles



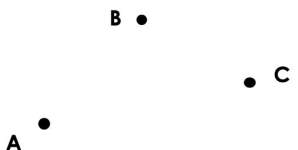
B, D



A, C

True or false?

Connect the dots to create an equilateral triangle

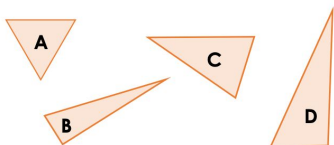


False; it is scalene.

Sort the triangles into the table

Scalene – D; Isosceles – B, C; Equilateral – A

Scalene	Isosceles	Equilateral

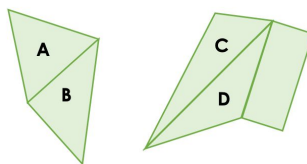


Task 2

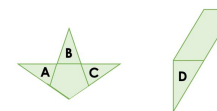
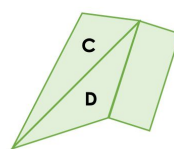
Practice:

1. Tick the isosceles triangles

Tick the Scalene triangles



B, C



A, B, C

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

B •

True – ABC, ABD, BCD

A •

C •

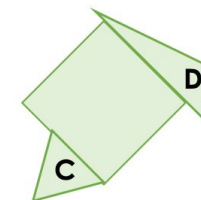
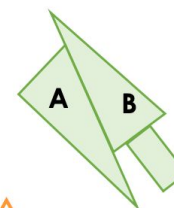
D •

3. Sort the triangles into the table

Scalene	Isosceles	Equilateral

Scalene – A, B, D;

Equilateral – C

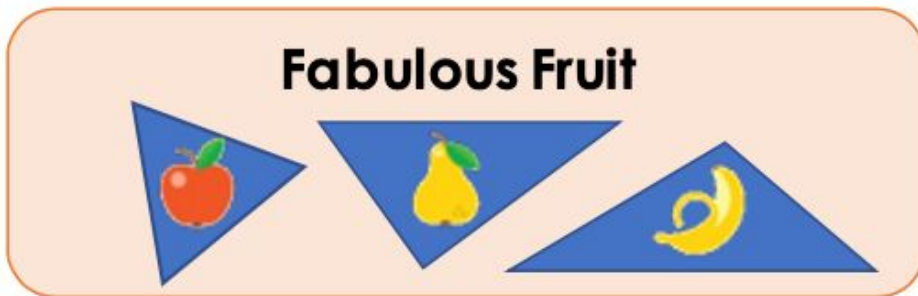


Task 3

Reasoning

Explain your answers.

5a. Kylie is designing a logo for a fruit stall she wants to run at her school.



She says,

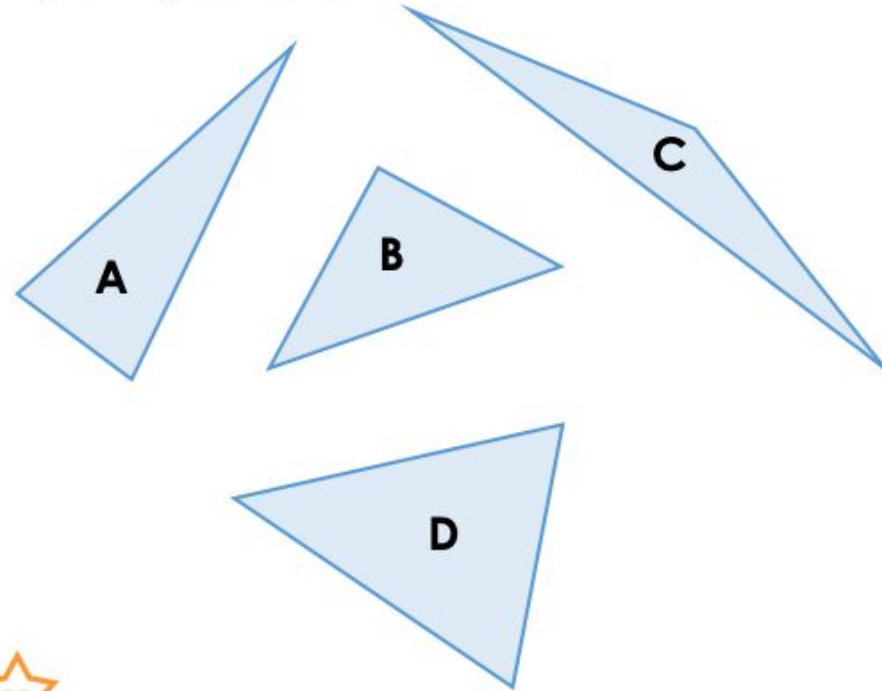


The logo includes only equilateral triangles.

Is she correct? Explain your answer.

5a. **No because there is only one equilateral triangle (with the apple on it).**

9b. Which triangle is the odd one out? Explain your answer.



9b. **Various answers, for example: B is not an isosceles triangle.**

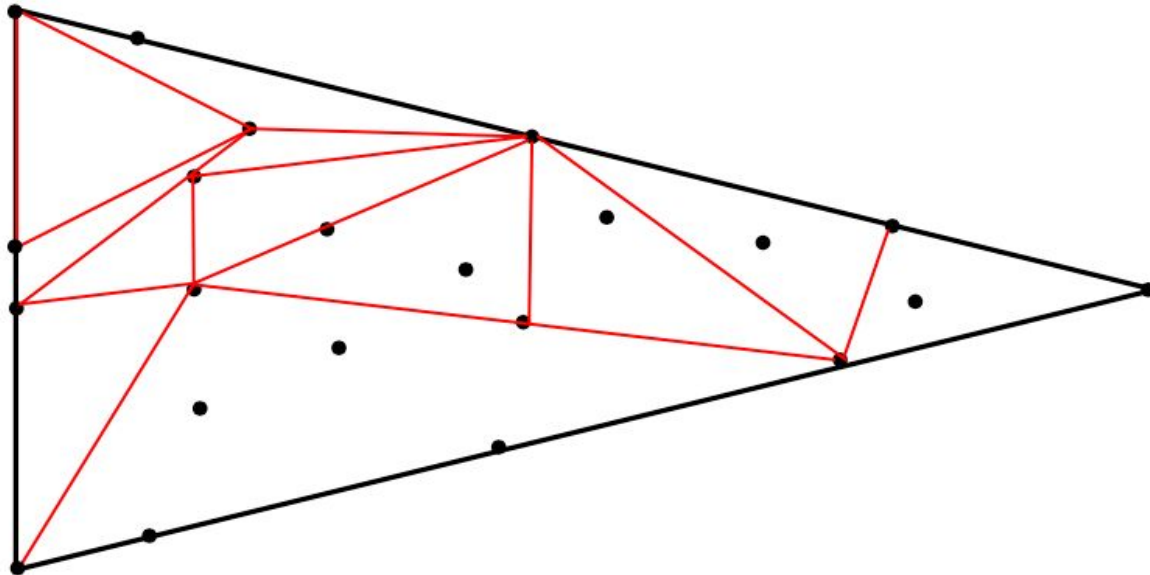
Task 4

Problem solving

2. Vanessa is designing a flag that must include multiple triangles of different types. Investigate the different designs she could create using the template below by joining the dots to create triangles. **Various possible answers, for example:**



My favourite number is 12 so I don't want my design to have any more than 12 triangles.



How many scalene triangles are included within your design? **Various possible answers.**