23/02/21
(Starter) O LO: Can I count forwards or backwards in 10s, 100s and 1000s?
(Main) O LO: Can I recap how to compare and classify geometric shapes based on their properties and sizes?

For further guidance on the task today, click the link of Class 4's timetable titled 'Maths – weekly input.'

Starter:
Can you fill in the gaps in the number sequences below to count forwards and backwards in 10s, 100s and 1000s?

10s:

_____, 37, _____, _____,67, 77, 87

50, 40, 30, 20, ____, ____, -10, _____, -30

512, _____ , 492, 482, _____, ____, 452, 442

100s:

605, _____, ____, 305, _____ , 105, _____, ____

872, 972, _____, 1172, _____, 1372, ____

35, _____, 235, _____, 435, 535, _____, ____

1000s:
5600, _____, 3600, 2600, ____, ____ , ____

300, _____ , ____, 3300, 4300, ____, ____

9132, _____, 11,132, ____, ____, 14,132, ___

Main:
Complete the Venn diagrams below to test your knowledge of 2D shapes, their properties and how we can group them based on those properties. Look carefully at each subheading to see the types of shapes that the Venn diagram wants you to draw in each circle. Check back on the weekly input video for definitions of words you are not sure of.
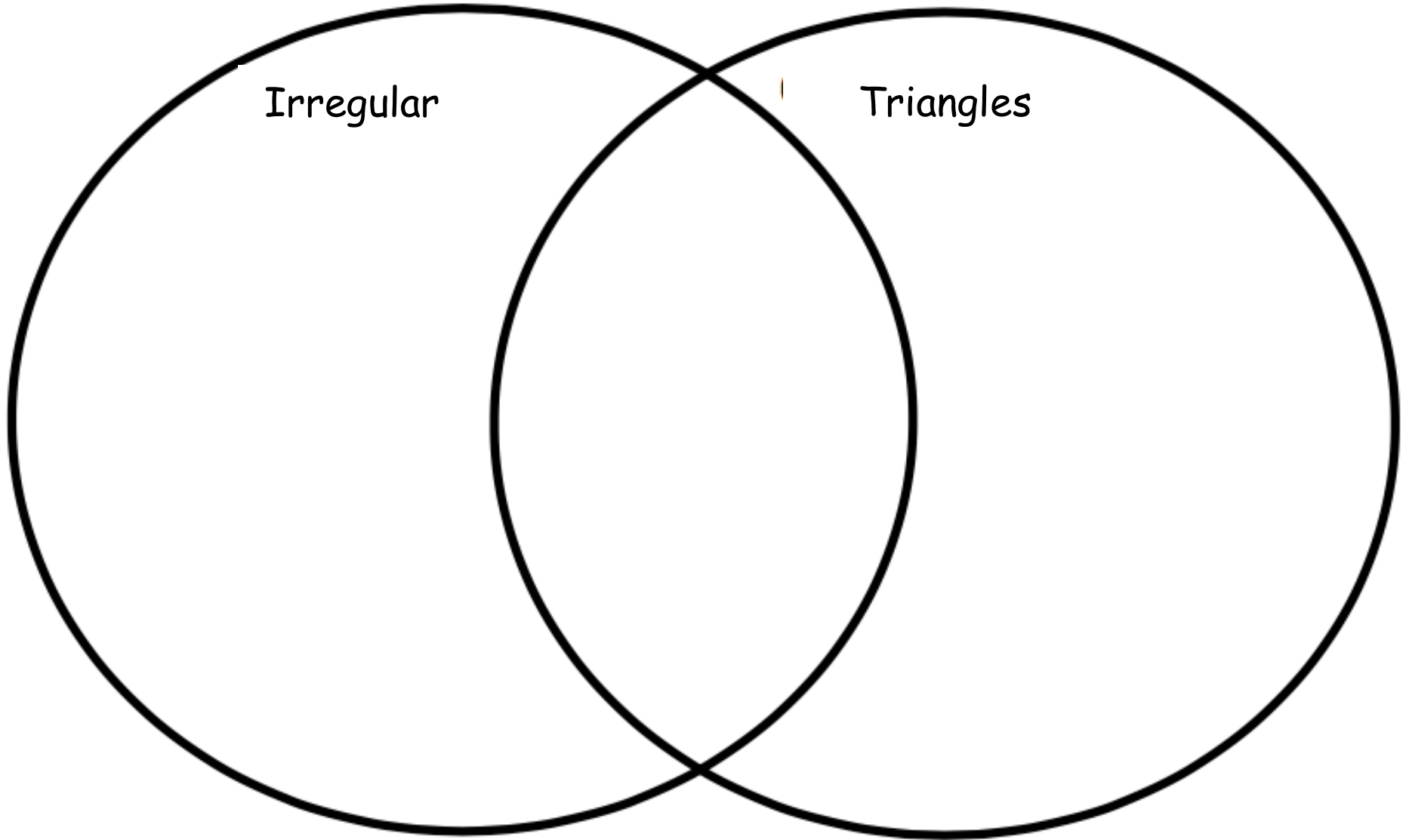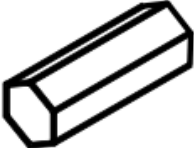
Polygons

Regular

Quadrilaterals
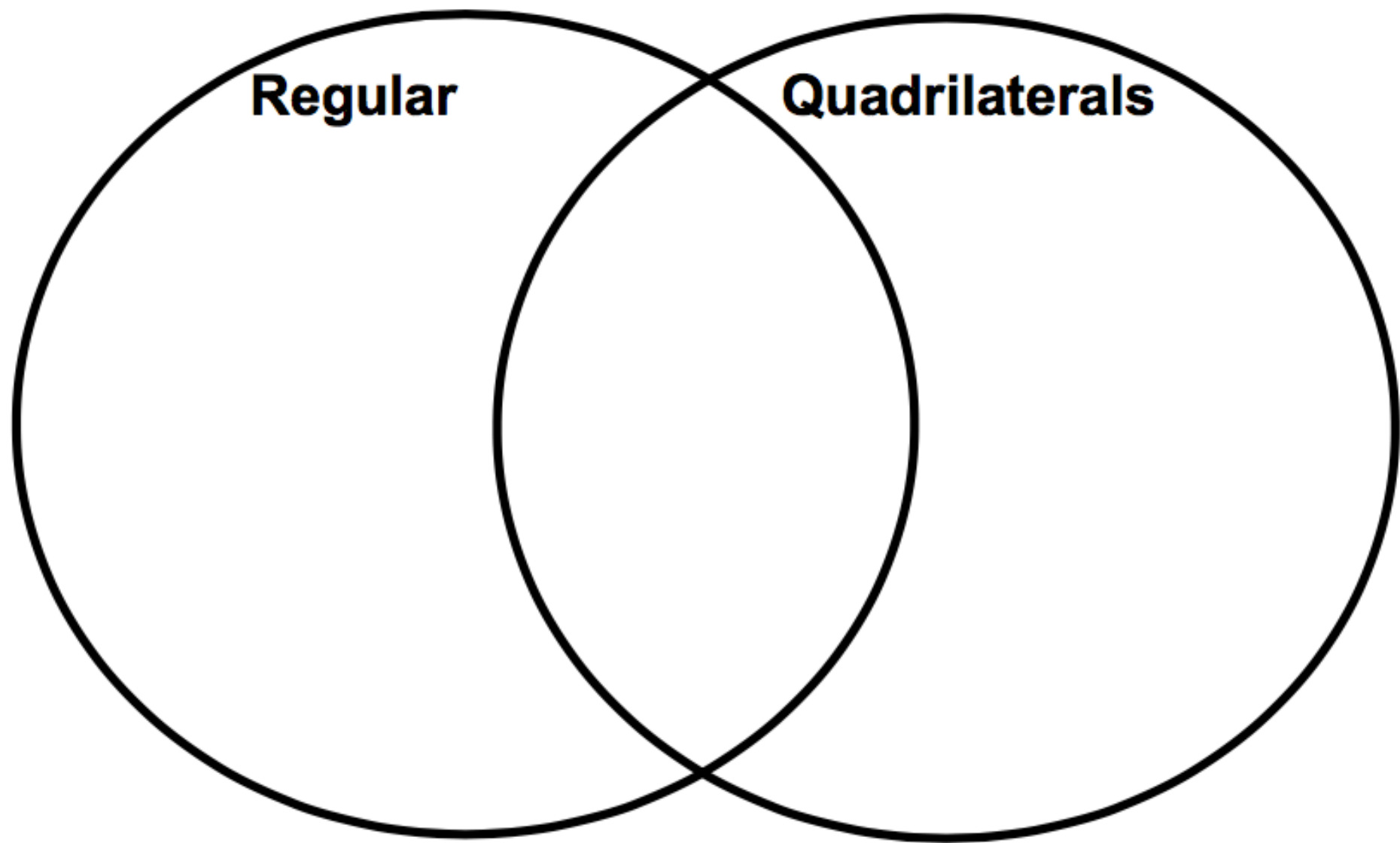
Polygons

Irregular

Triangles

Look carefully at some 3-D shapes and fill in the spaces in the table below:

Shape Name	Shape Picture	Number of faces	Number of edges	Number of vertices	Number of right angles on all the faces
		6	12	8	24
Triangular prism					
Square based pyramid					

Use this flow chart ('binary tree') to identify these shapes, one at a time.

A   B   C   D   E   F

Does the shape have 3 sides?

No

Yes

Are all sides the same length?

No

Yes

Are all sides the same length?

No

Yes

Are two sides the same

Yes

No

Does the shape have a right

Yes

No

| Equilateral triangle | Scalene triangle | Right angled isosceles triangle | Isosceles triangle | Square | Rectangle |

Answers
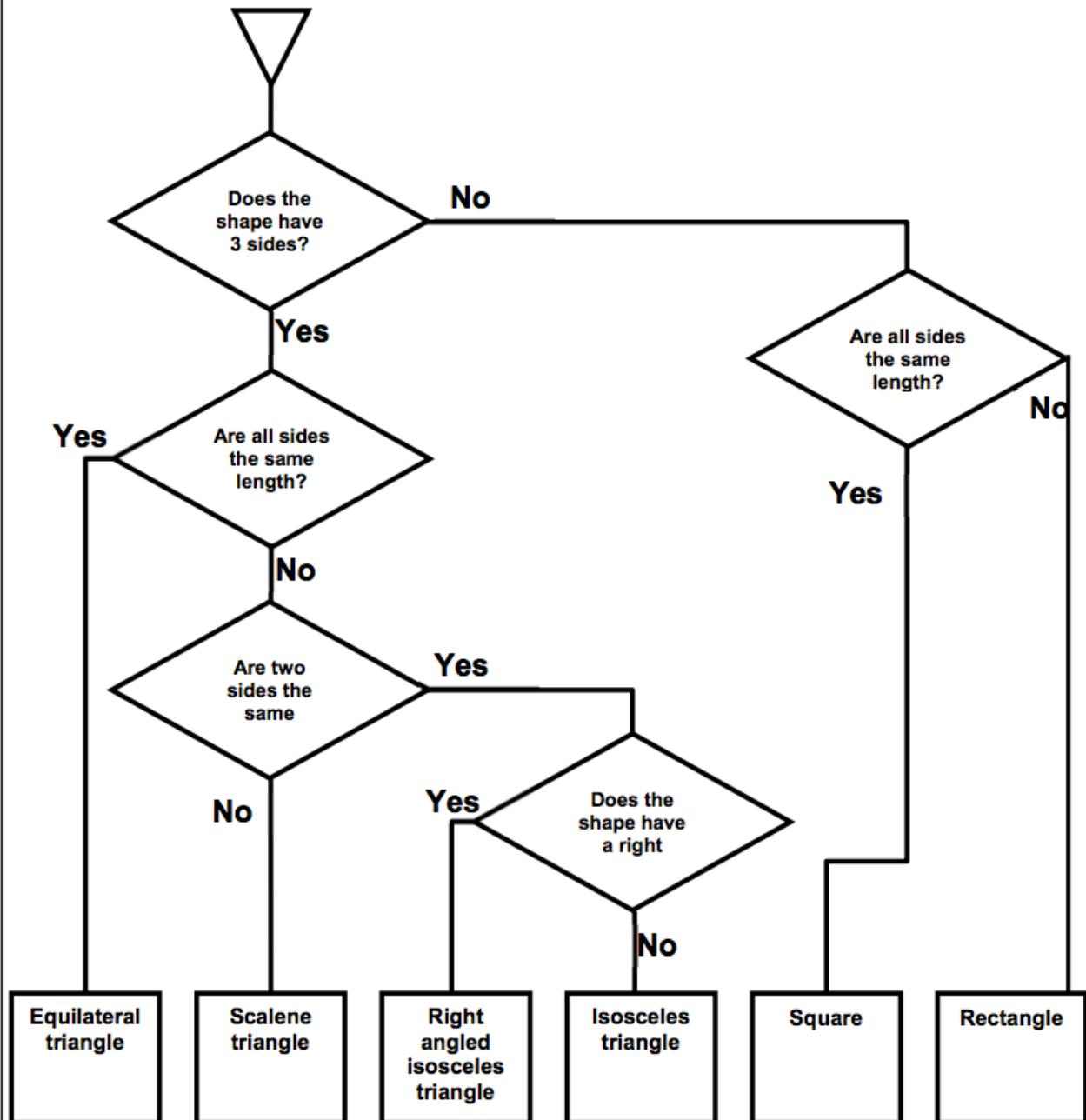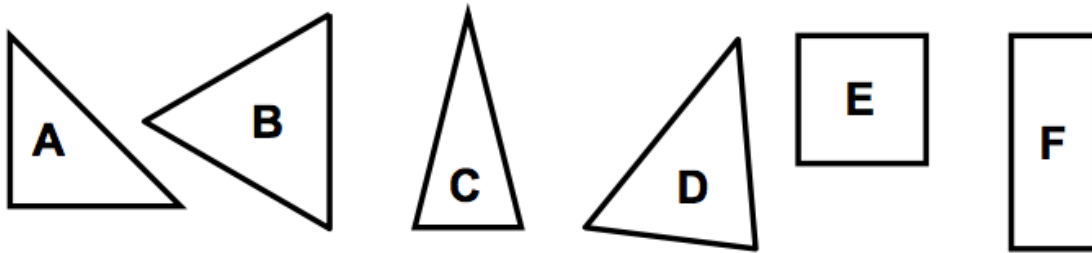
Page 6

Shape Name	Shape Picture	Number of faces	Number of edges	Number of vertices	Number of right angles
Cube		6	12	8	24
Cuboid		6	12	8	24
Triangular prism		5	9	6	12
Hexagonal prism		8	18	12	24
Octagonal prism		10	24	16	32
Square based pyramid		5	8	5	4
Tetrahedron		4	6	4	0
Octahedron		8	12	6	0

Page 8
A is a **right angled isosceles triangle**
B is an **equilateral triangle**
C is an **isosceles triangle**
D is a **scalene triangle**
E is a **square**
F is a **rectangle**