

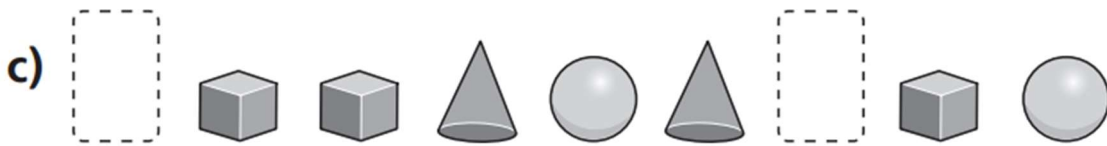
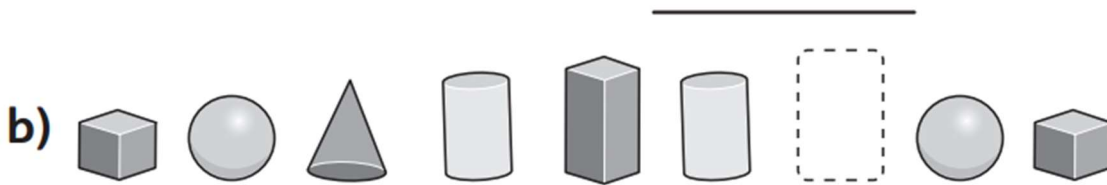
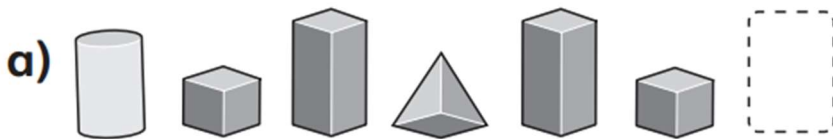
Name: _____

Date: 2.3.21

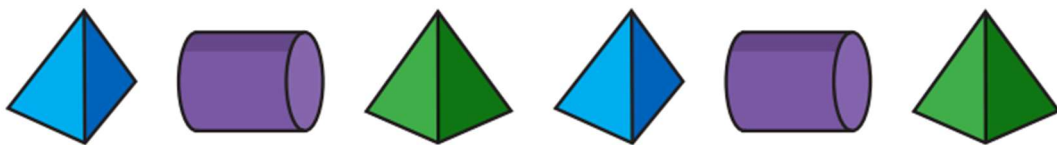
Making patterns with 3D shapes

Watch this video <https://youtu.be/i7JUz3ZbHAg> and then have a go at these questions about making patterns with 3D shapes.

1. Write the names of the missing shapes.



2. What is the name of the 3rd shape in the pattern? _____



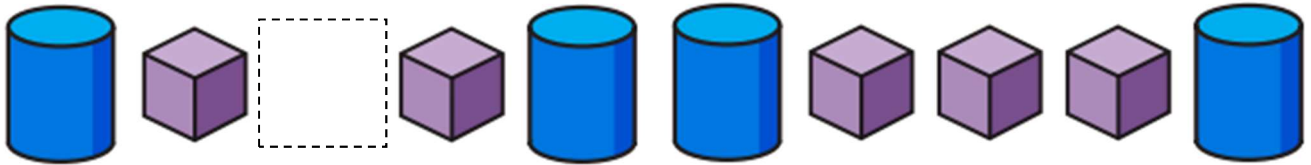
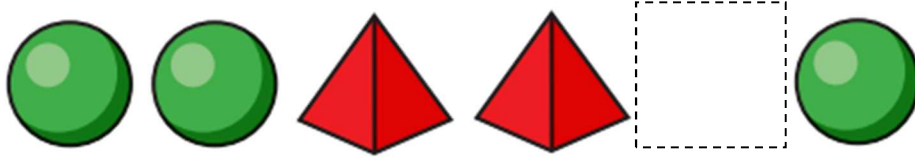
3. Here is a pattern made with 3D shapes.

a. Write the name of the 4th shape in the pattern. _____

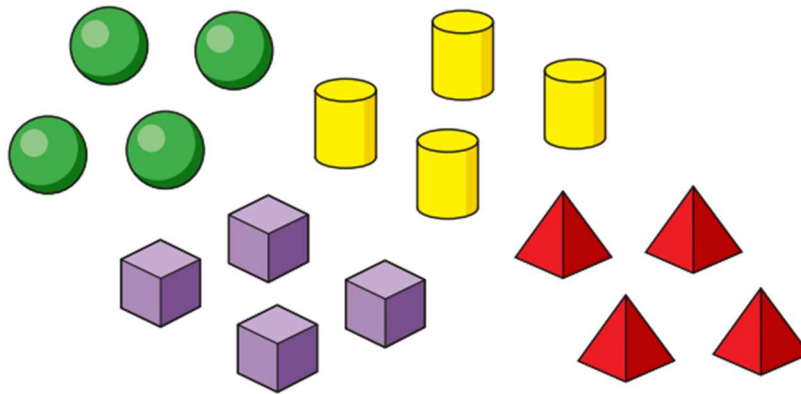
b. What would the 13th shape in the pattern be? _____



4. These patterns are symmetrical patterns. Draw the missing shape in the box.



5. Eva is making a pattern using these shapes. You could use shapes you have or cut these shapes out to arrange your patterns before you draw them.



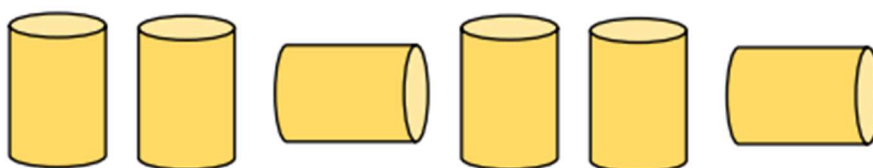
a. What pattern could Eva make. Draw it below.

b. Can you arrange Eva's shapes to make a symmetrical pattern? Draw that pattern below.

6. Take a look at this pattern.

a. How many times does the pattern repeat? _____

b. What will the 10th cylinder look like? _____



Name: _____

Date: 1.3.2021



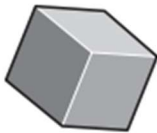
Challenge questions

Nate made a symmetrical pattern using three shapes.

There were 16 faces in total.

Can you work out which three shapes he could have used?

Can you find any more?



Reflect

Explain the difference between a symmetrical and a repeating pattern.