Sort 2D shapes

1 Draw lines to sort the shapes into groups.

2 How have the shapes been sorted?

3 Eva sorts some shapes.

a) Is Eva correct? _____

How do you know?

b) Draw a group of three different pentagons.

© White Rose Maths 2019

4 **a)** Sort the shapes in order of the number of sides.

Start with the shape that has the fewest sides.

A B C D E

fewest most

_____ _____ _____ _____ _____

b) Sort the shapes in order of the number of vertices.

Start with the shape that has the fewest vertices.

A B C D E

fewest most

_____ _____ _____ _____ _____

c) What do you notice about your answers to part a) and part b)?

5 Draw three different shapes in each group.

shapes with 4 sides

shapes with an odd number of vertices

shapes with an even number of sides

© White Rose Maths 2019

Sort 3D shapes

1 Circle the odd one out in each group and complete the sentences.

a)

The odd one out is a _____.

b)

The odd one out is a _____.

2 Tick the shape that could go in the group.

has a curved surface

3 Tick the shape that could go in both groups.

☐

☐

☐

odd number of faces

even number of vertices

4 How have the shapes been grouped?

© White Rose Maths 2019

5 Write the name of a 3D shape that could go in each group.

has 5 vertices

has 12 edges

has 1 curved surface

Can you think of any other shapes to go in each group?

6 **a)** Draw lines to sort the shapes into two groups.

Group A

Group B

b) Give each of your groups a label.

Group A: _____

Group B: _____

Compare answers with a partner.

© White Rose Maths 2019