Reasoning and Problem Solving Step 4: Sort 2D shapes

Teaching note: We recommend that this resource is printed in colour.

National Curriculum Objectives:

Mathematics Year 1: (1G1a) <u>Recognise and name common 2-D shapes [for example, rectangles (including squares), circles and triangles]</u>

Differentiation:

Questions 1, 4 and 7 (Problem Solving)

Developing Spot the mistake when sorting two groups of shapes. Shapes include circles, triangles and squares of various orientation. Shapes are consistent sizes and colours. Expected Spot the mistake when sorting two groups of shapes. Shapes include circles, triangles, rectangles and squares of various orientation, size and colour. Greater Depth Spot mistake when sorting two groups of shapes. Shapes include circles, triangles, rectangles, squares, pentagons and hexagons of various orientation, colour and size.

Questions 2, 5 and 8 (Problem Solving)

Developing Sort the shapes into two groups by colour or type. Shapes include circles, triangles and squares of various orientation. Shapes are consistent sizes and colours. Expected Sort the shapes into three groups by colour, size or type. Shapes include circles, triangles, rectangles and squares of various orientation and colour. Shapes are consistent sizes.

Greater Depth Sort the shapes into four groups by colour, size or type. Shapes include circles, triangles, rectangles, squares, pentagons and hexagons of various orientation, colour and size.

Questions 3, 6 and 9 (Reasoning)

Developing Identify and explain how the shapes can be sorted into 2 groups. Shapes include circles, triangles and squares of various. Shapes are consistent sizes and colours. Expected Identify and explain how the shapes can be sorted into 3 groups. Shapes include circles, triangles, rectangles and squares of various orientation, size and colour. Greater Depth Identify and explain how the shapes can be sorted into 4 groups. Shapes include circles, triangles, rectangles, squares, pentagons and hexagons of various orientation, colour and size.

More **Year 1 Shape** resources.

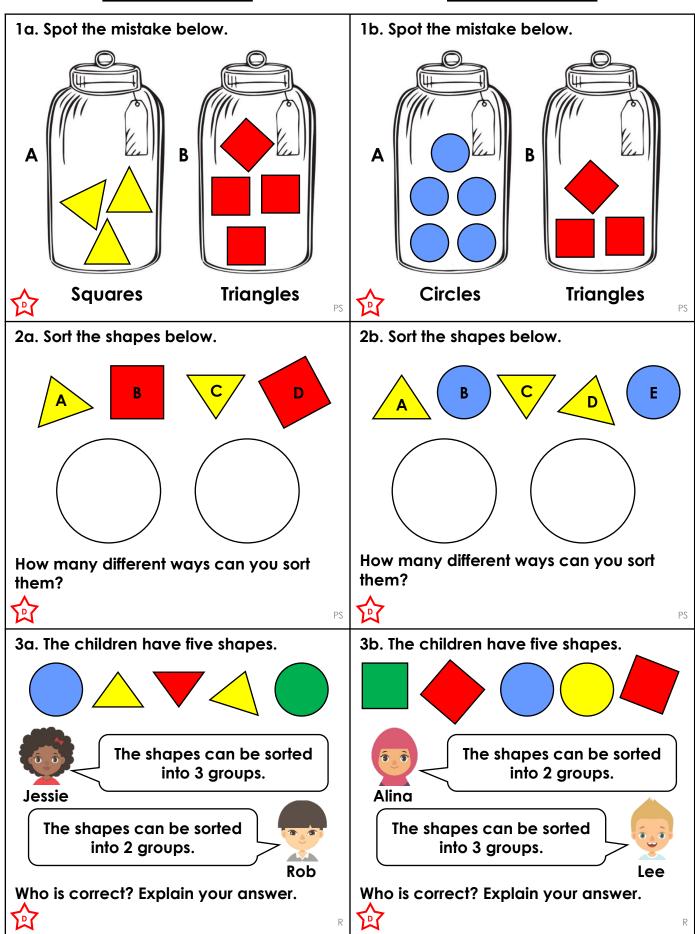
Did you like this resource? Don't forget to <u>review</u> it on our website.



classroomsecrets.co.uk

Sort 2D shapes

Sort 2D shapes

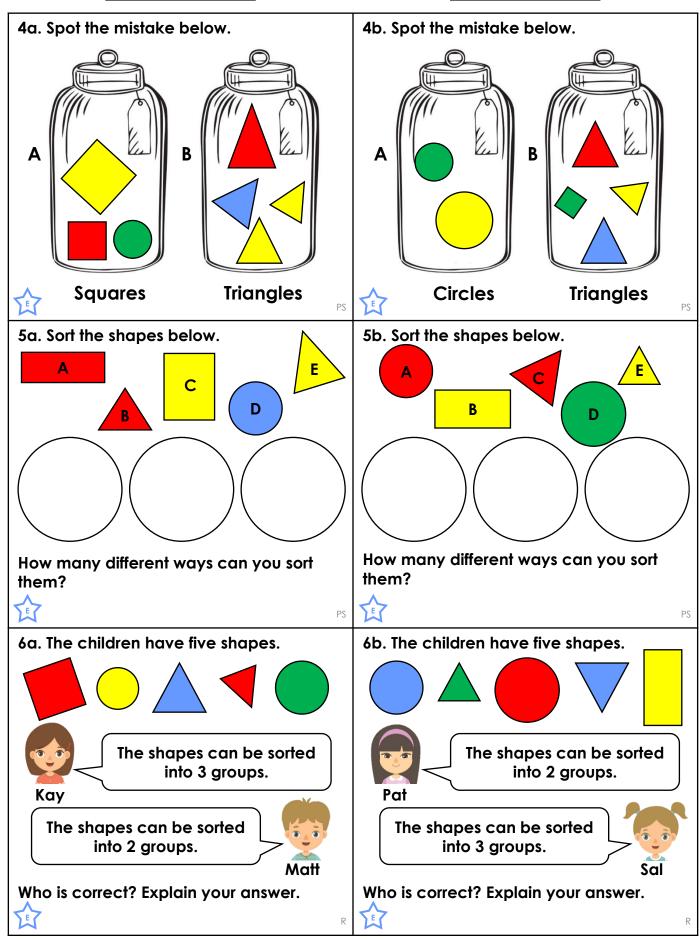




classroomsecrets.co.uk

Sort 2D shapes

Sort 2D shapes

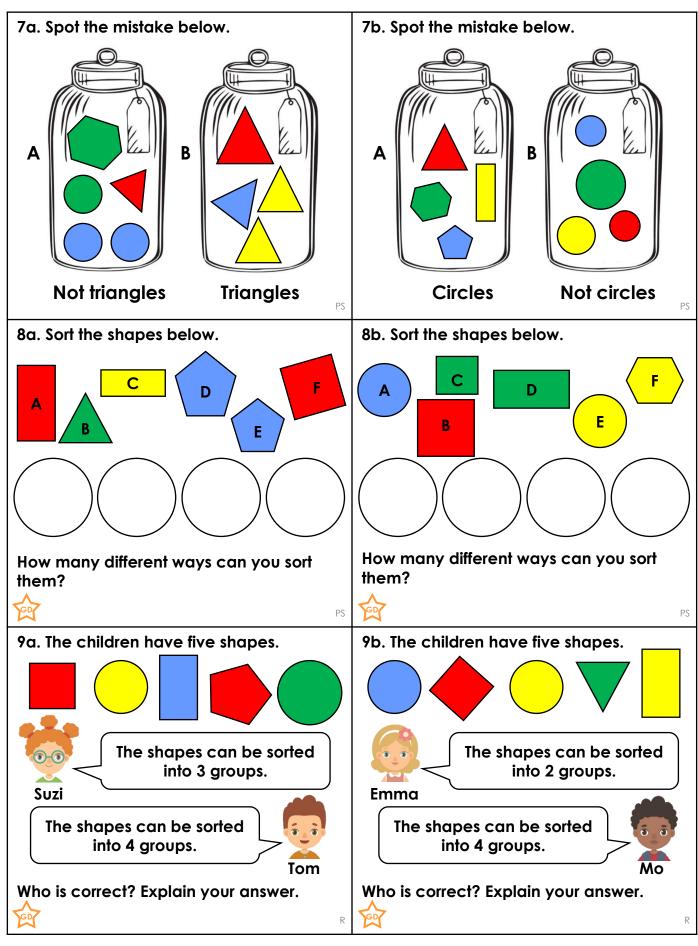




classroomsecrets.co.uk

Sort 2D shapes

Sort 2D shapes





Reasoning and Problem Solving Sort 2D shapes

<u>Developing</u>

1a. The labels are on the wrong jars. 2a. Triangles (A, C) and squares (B, D). You can sort the shapes in two different

ways, by shape or by colour.

3a. Rob; the shapes can be sorted into 2 groups (circles and triangles).

Expected

4a. Jar A contains a circle.

5a. Rectangle (A, C), triangle (B, E) and circle (D). You can sort the shapes in two different ways, by shape or by colour.

6a. Kay; the shapes can be sorted into 3 groups (squares, circles and triangles).

<u>Greater Depth</u>

7a. Jar A contains a triangle.

8a. Rectangle (A, C), square (F), triangle

(B), not rectangles, squares or triangles (D,

E). You can sort the shapes in two different ways, by shape or by colour.

9a. Tom; the shapes can be sorted into 4 groups (squares, circles, rectangles and not squares, circles or rectangles). He can also group them by colour (green, blue, red and yellow).

Reasoning and Problem Solving Sort 2D shapes

<u>Developing</u>

1b. Jar B should be labelled 'squares'.

2b. Triangles (A, C, D) and circles (B, E). You can sort the shapes in two different

ways, by shape or by colour.

3b. Alina; the shapes can be sorted into 2 groups (squares and circles).

Expected

4b. Jar B contains a square.

5b. Rectangle (B), circle (A, D) and triangle (C, E). You can sort the shapes in two different ways, by shape or by colour.

6b. Sal; the shapes can be sorted into 3 groups (rectangles, circles and triangles).

<u>Greater Depth</u>

7b. The labels are on the wrong jars.

8b. Circle (A, E), square (B, C), rectangle

(D), not circle, square or rectangle (F). You can sort the shapes in two different ways, by shape or by colour.

9b. Mo; the shapes can be sorted into 4 groups (circles, squares, triangles and rectangles). He can also group them by colour (blue, red, yellow and green).

