Varied Fluency
Step 2: Reflection

National Curriculum Objectives:

Mathematics Year 5: (5P2) Identify, describe and represent the position of a shape following a reflection or translation, using the appropriate language, and know that the shape has not changed

Differentiation:

Developing Questions to support reflection of shapes and coordinates using vertical and horizontal mirror lines. Regular polygons with up to 4 sides.

Expected Questions to support reflection of shapes and coordinates using vertical and horizontal mirror lines. Regular polygons with up to 6 sides.
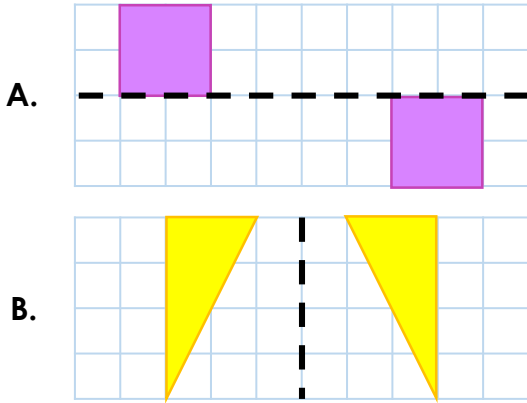
Greater Depth Questions to support reflection of shapes and coordinates using vertical, horizontal and diagonal mirror lines, including some without grids. Irregular shapes with up to 8 sides.

More Year 5 Position and Direction resources.

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

Reflection

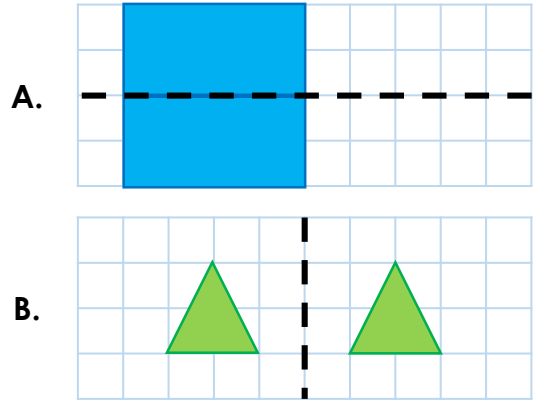# Reflection

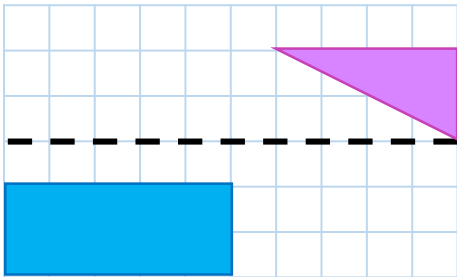**1a.** Are the reflected images correct or incorrect?

A.

B.

1b. Are the reflected images correct or incorrect?
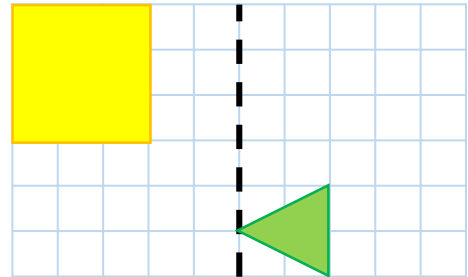
A.

B.

VF

VF

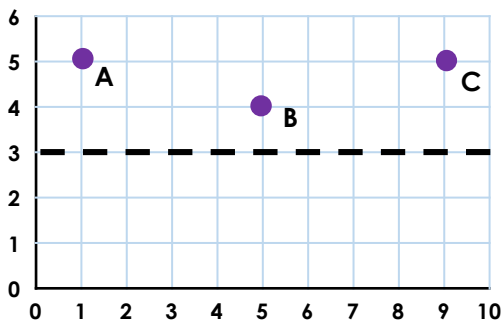**2a.** Reflect the shapes in the mirror line.

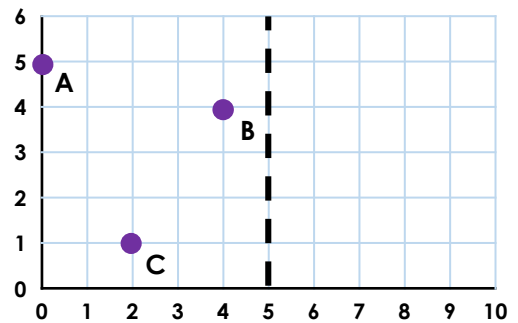**2b.** Reflect the shapes in the mirror line.

VF

VF

3a. Reflect the points in the mirror line. Write the coordinates of the reflected points.
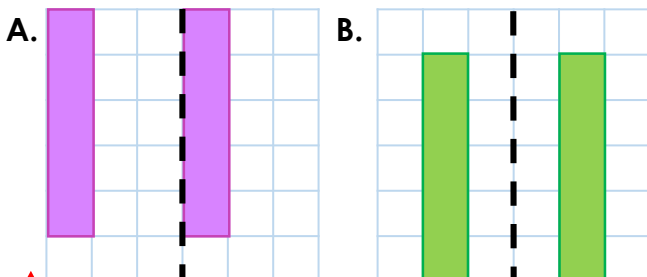
3b. Reflect the points in the mirror line. Write the coordinates of the reflected points.
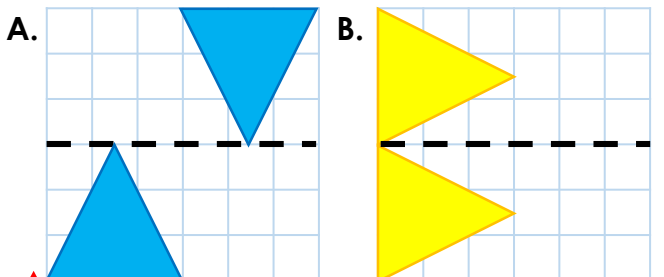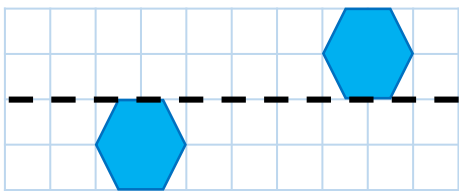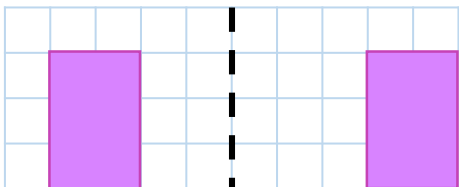
VF

VF

4a. Tick the image showing the correct reflection.

A.   B.

4b. Tick the image showing the correct reflection.

A.   B.

VF

VF

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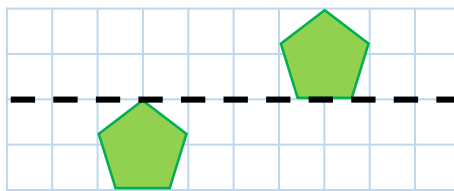
Varied Fluency – Reflection – Year 5 Developing

Reflection

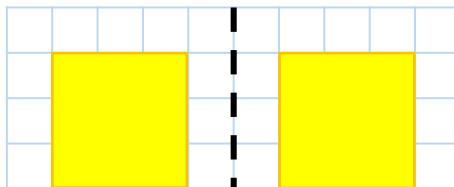**5a.** Are the reflected images correct or incorrect?

A.

B.

E   VF

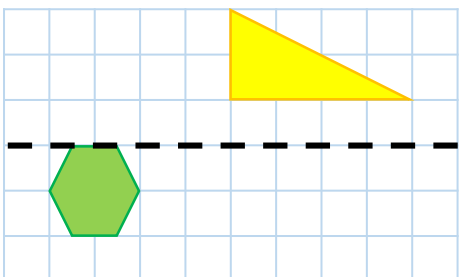**5b.** Are the reflected images correct or incorrect?
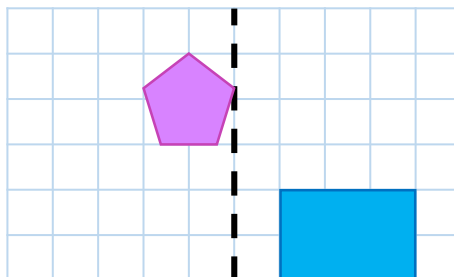
A.

B.

E   VF

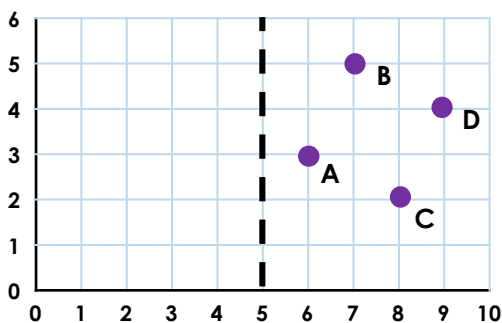**6a.** Reflect the shapes in the mirror line.

E   VF

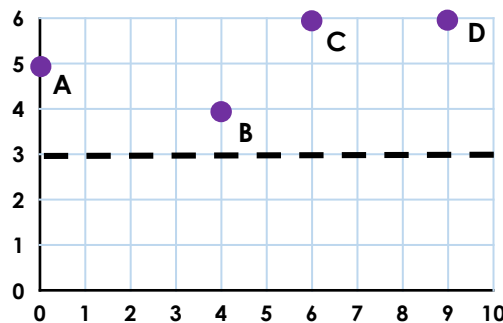**6b.** Reflect the shapes in the mirror line.

E   VF

7a. Reflect the points in the mirror line. Write the coordinates of the reflected points.
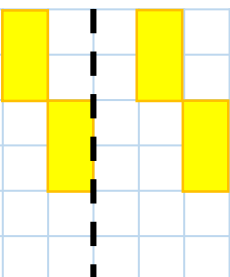
E   VF

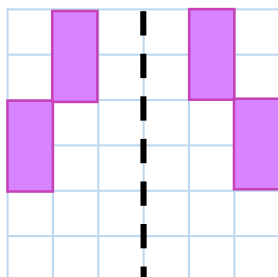**7b.** Reflect the points in the mirror line. Write the coordinates of the reflected points.

E   VF

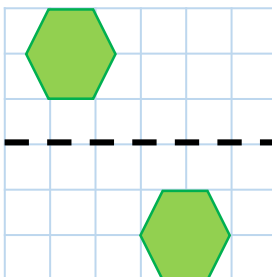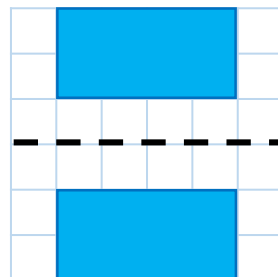**8a.** Tick the image showing the correct reflection.

A.   B.

E   VF

8b. Tick the image showing the correct reflection.

A.   B.

E   VF

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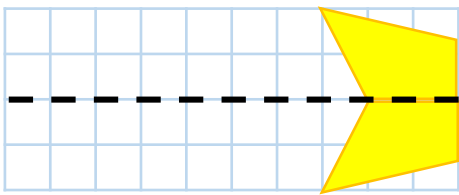
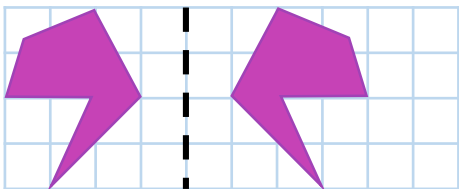**Varied Fluency – Reflection – Year 5 Expected**
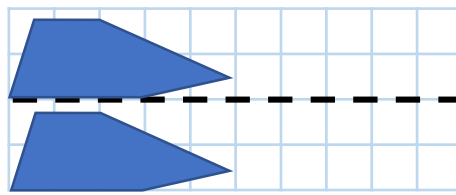
Reflection

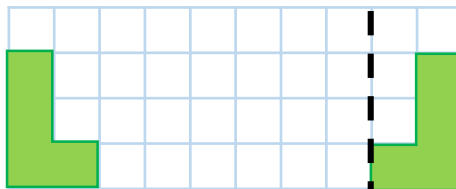### 9a. Are the reflected images correct or incorrect?

A.

B.

GD

VF

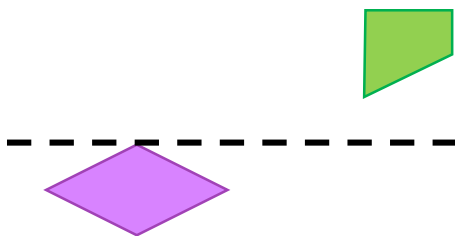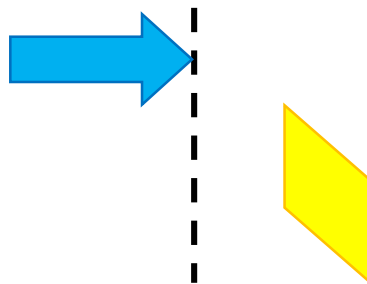### 9b. Are the reflected images correct or incorrect?

A.

B.

GD

VF

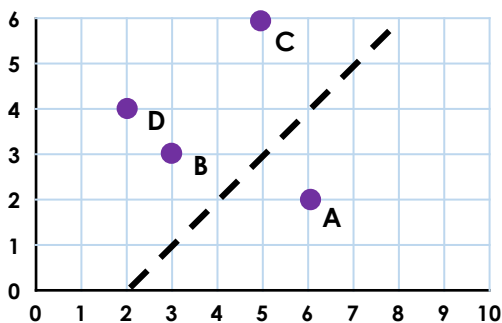### 10a. Reflect the shapes in the mirror line.

GD

VF

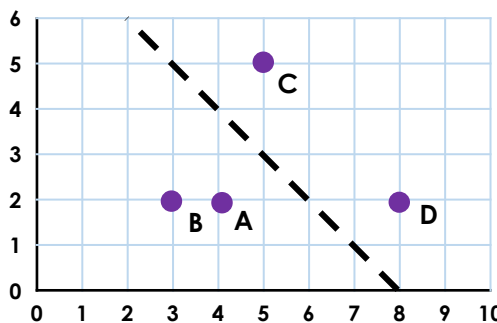### 10b. Reflect the image in the mirror line.

GD

VF

11a. Reflect the points in the mirror line. Write the coordinates of the reflected points.
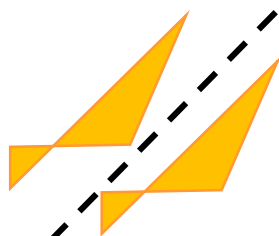
GD

VF

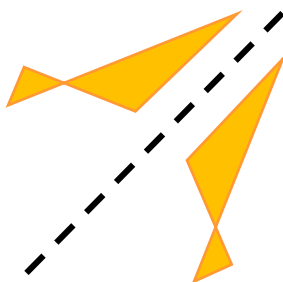### 11b. Reflect the points in the mirror line. Write the coordinates of the reflected points.

GD

VF

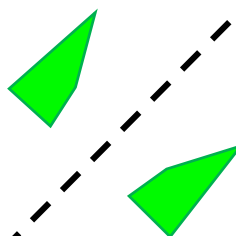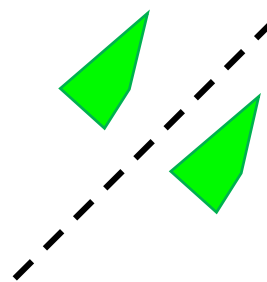### 12a. Tick the image showing the correct reflection.

A.

B.

GD

VF

12b. Tick the image showing the correct reflection.

A.

B.
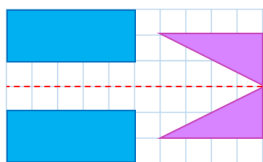
GD

VF

Varied Fluency
Reflection

Varied Fluency
Reflection

Developing

1a. A is incorrect, B is correct.
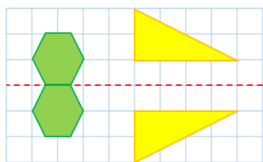
2a.

3a. A = (1, 1), B = (5, 2), C = (9, 1)

4a. B

Expected

5a. A is incorrect, B is incorrect.

6a.

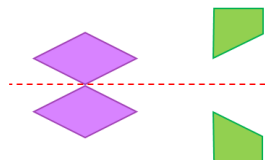**7a.** A = (4, 3), B = (3, 5), C = (2, 2),
D = (1, 4)

8a. B

Greater Depth

9a. A is correct, B is correct.

10a.
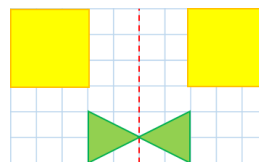

11a. A = (4, 4), B = (5, 1), C = (8, 3),
D = (6, 0)

12a. B

Developing

1b. A is correct, B is correct.
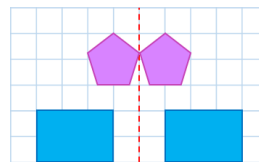
2b.

3b. A = (10, 5), B = (6, 4), C = (8, 1)

4b. B

Expected

5b. A is incorrect, B is correct.
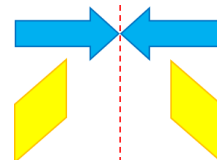
6b.

7b. A = (0, 1), B = (4, 2), C = (6, 0),
D = (9, 0)

8b. B

Greater Depth

9b. A is incorrect, B is incorrect.

10b.

11b. A = (6, 4), B = (6, 5), C = (3, 3),
D = (6, 0)

12b. A

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Varied Fluency – Reflection ANSWERS