

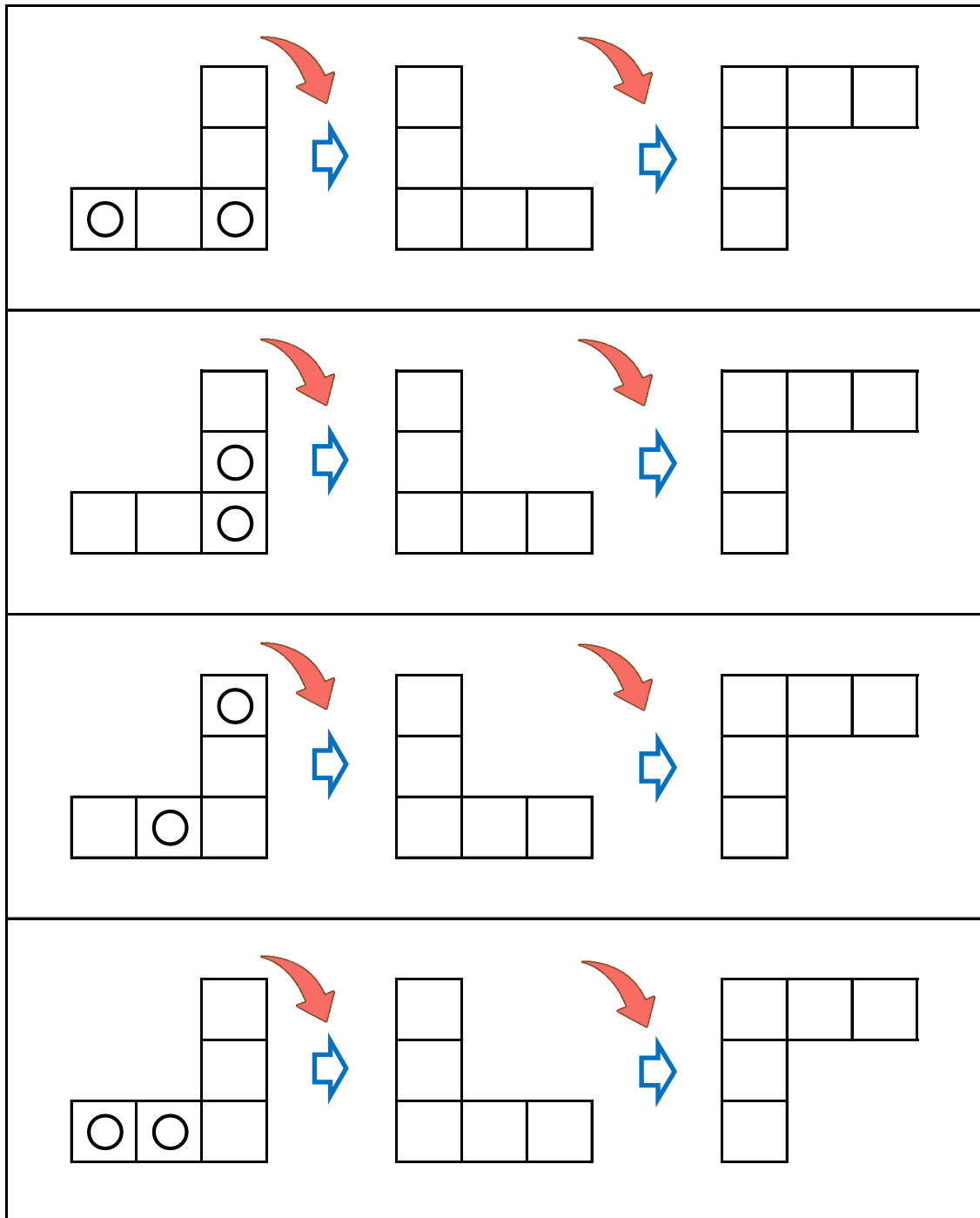
ずけい かいてん
図形の回転

した え かいてん なか ずけい か
下のような絵を回転させたときの、中の図形を書きましょう。

The exercise consists of four rows, each containing three boxes connected by red curved arrows pointing to the right and blue square arrows pointing to the right. Each row shows a sequence of three boxes representing a shape being rotated 90 degrees clockwise. The first box in each row is an L-shaped figure with two circles. The second box is the first box rotated 90 degrees clockwise. The third box is the second box rotated 90 degrees clockwise. The positions of the circles in the first box of each row are: (1) bottom-left and bottom-middle; (2) bottom-middle and bottom-right; (3) middle-left and bottom-left; (4) top-left and bottom-left.

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The exercise consists of four rows, each containing three 3x3 grids. Red arrows point from the first grid to the second, and blue arrows point from the second to the third. The first grid in each row has a circle (○) and an 'x' (×) in the top-left corner. The second and third grids are empty 3x3 grids for the student to draw the rotated shapes.

- Row 1: Circle at (1,1), 'x' at (1,2)
- Row 2: Circle at (2,2), 'x' at (2,1)
- Row 3: Circle at (3,2), 'x' at (1,1)
- Row 4: Circle at (3,1), 'x' at (1,2)

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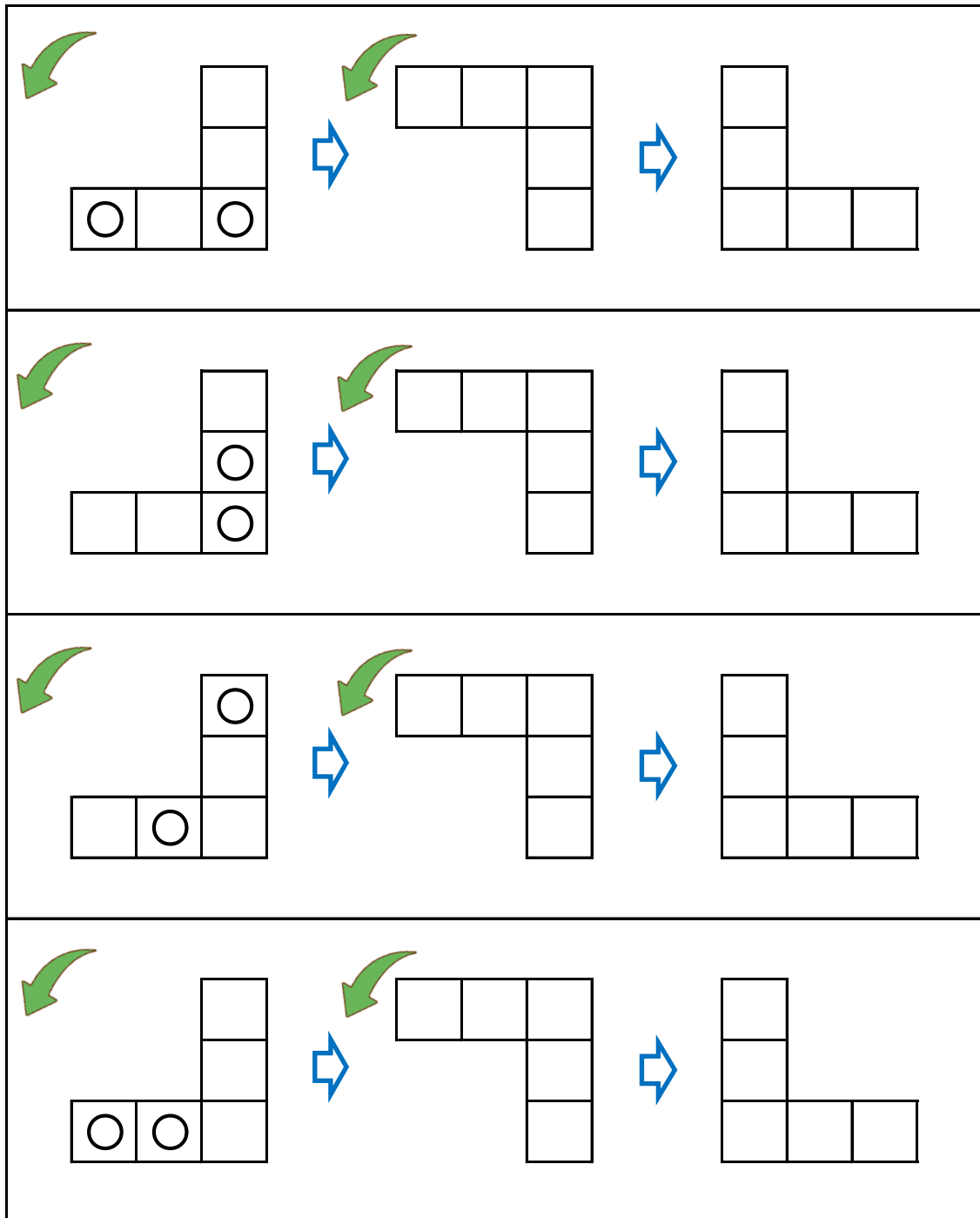
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The exercise consists of four rows, each containing three boxes. Each box shows a shape made of squares. The first box in each row shows an L-shaped figure with two circles. The second box shows the same L-shaped figure rotated 90 degrees clockwise. The third box shows a T-shaped figure, which is the reference shape. Green curved arrows point from the first box to the second, and from the second to the third. Blue square arrows point from the first to the second, and from the second to the third.

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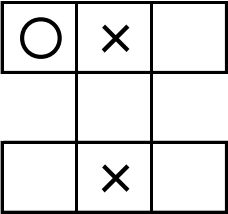



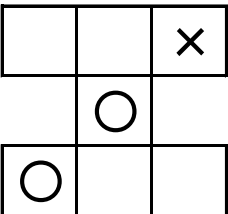



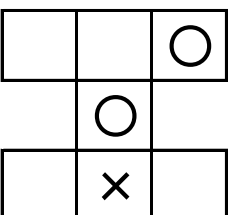



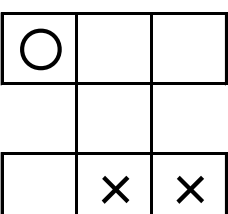



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The diagram illustrates the rotation of a shape in a 3x3 grid. The shape consists of three cells: the top-left, top-middle, and bottom-middle cells. A circle (○) and an 'x' are placed in the top row of the shape. The shape is rotated 90 degrees clockwise in each step, as indicated by the green arrows. The rotation sequence is shown in four panels, with blue arrows indicating the direction of the sequence.

- Panel 1: Circle at (1,1), x at (1,2)
- Panel 2: Circle at (2,1), x at (2,2)
- Panel 3: Circle at (3,1), x at (3,2)
- Panel 4: Circle at (4,1), x at (4,2)

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The exercise consists of four rows, each containing three boxes connected by blue arrows. Red arrows indicate 90-degree clockwise rotations, while green arrows indicate 90-degree counter-clockwise rotations. The shapes and circles are as follows:

- Row 1 (Red arrows):** Box 1: A vertical column of 3 boxes with a circle in the top and bottom cells. Box 2: A horizontal row of 3 boxes with a vertical column of 2 boxes attached to the left of the middle box. Box 3: A horizontal row of 3 boxes with a vertical column of 2 boxes attached to the right of the middle box.
- Row 2 (Red arrows):** Box 1: A vertical column of 3 boxes with a circle in the middle cell. Box 2: A horizontal row of 3 boxes with a vertical column of 2 boxes attached to the left of the middle box. Box 3: A horizontal row of 3 boxes with a vertical column of 2 boxes attached to the right of the middle box.
- Row 3 (Green arrows):** Box 1: A vertical column of 3 boxes with a circle in the bottom cell. Box 2: A horizontal row of 3 boxes with a vertical column of 2 boxes attached to the right of the middle box. Box 3: A horizontal row of 3 boxes with a vertical column of 2 boxes attached to the right of the middle box.
- Row 4 (Green arrows):** Box 1: A vertical column of 3 boxes with a circle in the top cell. Box 2: A horizontal row of 3 boxes with a vertical column of 2 boxes attached to the right of the middle box. Box 3: A horizontal row of 3 boxes with a vertical column of 2 boxes attached to the right of the middle box.

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The exercise consists of four rows, each containing three diagrams connected by blue arrows. The first diagram in each row is a 3x3 grid with a circle in the middle of the bottom row and the top of the right column. The second diagram is a 3x3 grid with a circle in the top of the right column and the middle of the bottom row. The third diagram is a 3x3 grid with a circle in the middle of the bottom row and the top of the right column. Red and green arrows indicate the rotation direction.

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The exercise consists of four rows, each containing three shapes connected by blue arrows. The shapes are 3x3 grids. The first shape in each row is a 3x3 grid with a vertical column of three cells and a horizontal row of three cells. The second shape is a 3x3 grid with a vertical column of three cells and a horizontal row of three cells. The third shape is a 3x3 grid with a vertical column of three cells and a horizontal row of three cells. Red and green arrows indicate the rotation direction.






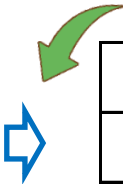


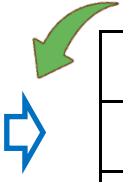

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The diagram consists of four rows, each showing a sequence of three 3x3 grids. The first grid in each row contains a shape made of three squares: the top-left square has an 'x', the middle square has an 'o', and the bottom-right square is empty. A red arrow points from the first grid to the second grid, which is a 90-degree clockwise rotation of the first. A blue arrow points from the second grid to the third grid, which is a 180-degree rotation of the first. The first two rows have red arrows, and the last two rows have green arrows.

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