

Pixel art grid - answers

Worked answers / Keep separate from the student sheet.

1. Create a 6-column by 8-row pixel pattern using a single shape. Reflect it left-to-right. Which column replaces column 2?

Column 5 replaces column 2 because $\text{reflected column} = \text{width} + 1 - \text{original}$. Keep row numbers unchanged. Check the silhouette by overlaying the reflections.

2. Create a 7-column by 8-row pixel pattern using a single shape. Reflect it left-to-right. Which column replaces column 2?

Column 6 replaces column 2 because $\text{reflected column} = \text{width} + 1 - \text{original}$. Keep row numbers unchanged. Check the silhouette by overlaying the reflections.

3. Create a 8-column by 8-row pixel pattern using a single shape. Reflect it left-to-right. Which column replaces column 2?

Column 7 replaces column 2 because $\text{reflected column} = \text{width} + 1 - \text{original}$. Keep row numbers unchanged. Check the silhouette by overlaying the reflections.

4. Create a 9-column by 8-row pixel pattern using a single shape. Reflect it left-to-right. Which column replaces column 2?

Column 8 replaces column 2 because $\text{reflected column} = \text{width} + 1 - \text{original}$. Keep row numbers unchanged. Check the silhouette by overlaying the reflections.

5. Create a 10-column by 8-row pixel pattern using a single shape. Reflect it left-to-right. Which column replaces column 2?

Column 9 replaces column 2 because $\text{reflected column} = \text{width} + 1 - \text{original}$. Keep row numbers unchanged. Check the silhouette by overlaying the reflections.

6. Create a 11-column by 8-row pixel pattern using a single shape. Reflect it left-to-right. Which column replaces column 2?

Column 10 replaces column 2 because $\text{reflected column} = \text{width} + 1 - \text{original}$. Keep row numbers unchanged. Check the silhouette by overlaying the reflections.