MATH IS EVERYWHERE, EVEN IN THE MUSEUM!

Installation Time!
4th Grade

At the Chrysler Museum, to install an artwork means to put it on display for everyone to enjoy. Every piece of art at the Chrysler Museum is one-of-a-kind and very special, so we only let Preparators install artworks. Preparators are people at the Museum who are very careful when they move and display things. Use the information below to figure out how long they worked to install each artwork.

1 Installation of the **Green Eye of the Pyramid**

This sculpture is actually made from five separate pieces of glass. There are lights behind each panel that help highlight the eye shape in the middle of the glass. If the lights are installed incorrectly, you won’t be able to see the eye as clearly.

Start time: 10:30 a.m. | End time: 4:40 p.m.

How much time did it take? __________ hours __________ minutes

2 Installation of **The Emerald Pool**

This piece was hard to install because it has a large curtain around it. Before movies or television, people would pay admission to look at art. When people paid, the curtain would open for a few minutes and then close. Seeing this artwork is free now, so we always leave the curtain open!

Start time: 8:05 a.m | End time: 9:00 p.m.

How much time did it take? __________ hours __________ minutes

CREDITS


2 Albert Bierstadt (American, 1830–1902), **The Emerald Pool**, 1870, Oil on canvas, Bequest of Walter P. Chrysler, Jr., 89.59
Installation of Chess Set

This artwork took a really long time to install because the whole thing is made of glass! There are 32 chess pieces and a chessboard. The Preparators had to move each piece slowly and carefully to make sure nothing broke. They also had strict instructions to place the chess pieces the way they would be placed in a real game.

Start time: 10:00 a.m.  |  End time: 1:00 p.m.
How much time did it take?  ________ hours  ________ minutes

Why would a Preparator need to know area and perimeter?

Preparators hang paintings so they are safe and secure. Sometimes, they build sturdy, new frames for artwork. To make frames, they must know how much wood they'll need to go around the artwork.

To figure out how much wood they will need, they measure the perimeter. They also need to put a piece of cardboard or wood behind the artwork to keep it inside the frame. They measure the area to figure out the right size for that piece.

Some of these artworks share a perimeter but have a different area. Can you find four pairs that have the same perimeter? Which of those pairs have the largest area?

9˝ x 14˝
Perimeter: ________
Area: ________
<table>
<thead>
<tr>
<th>Image</th>
<th>Description</th>
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<tbody>
<tr>
<td><img src="https://example.com/image1.png" alt="Image" /></td>
<td>Gianni Toso (Italian, b. 1942), <em>Chess Set</em>, 1985, Lampworked glass figures with cut and assembled glass board, Museum purchase and partial gift of Dylan, Max, Jessica, and Leyla Sandler; Fran and Lenox Baker; Allan Hugh McKinley and Jean Ritter Winslow; Albert and Robbie Selkin; Dr. and Mrs. Edward C. Oldfield III; and the Chrysler Museum Glass Associates © Gianni Toso, 97.1</td>
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<tr>
<td><img src="https://example.com/image2.png" alt="Image" /></td>
<td>Pierre Daura (American (born Spain), 1896–1976), <em>Martha by a Table with Fruit and Nuts</em>, 1933, Watercolor on paper, Gift of Martha Randolph Daura © Daura Estate, 97.39.4</td>
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<tr>
<td><img src="https://example.com/image3.png" alt="Image" /></td>
<td>Arthur Cox (English, active in the late 19th century), <em>Norfolk Waterfront</em>, ca. 1885, Watercolor, Museum purchase with funds donated by Leggetts in memory of Queena Stovall, 82.94</td>
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<tr>
<td><img src="https://example.com/image5.png" alt="Image" /></td>
<td>Pavel Tchelitchew (American, 1898–1957), <em>Anatomical Head</em>, 1946, Pen, wash, and watercolor, Gift of Walter P. Chrysler, Jr., 71.2173</td>
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