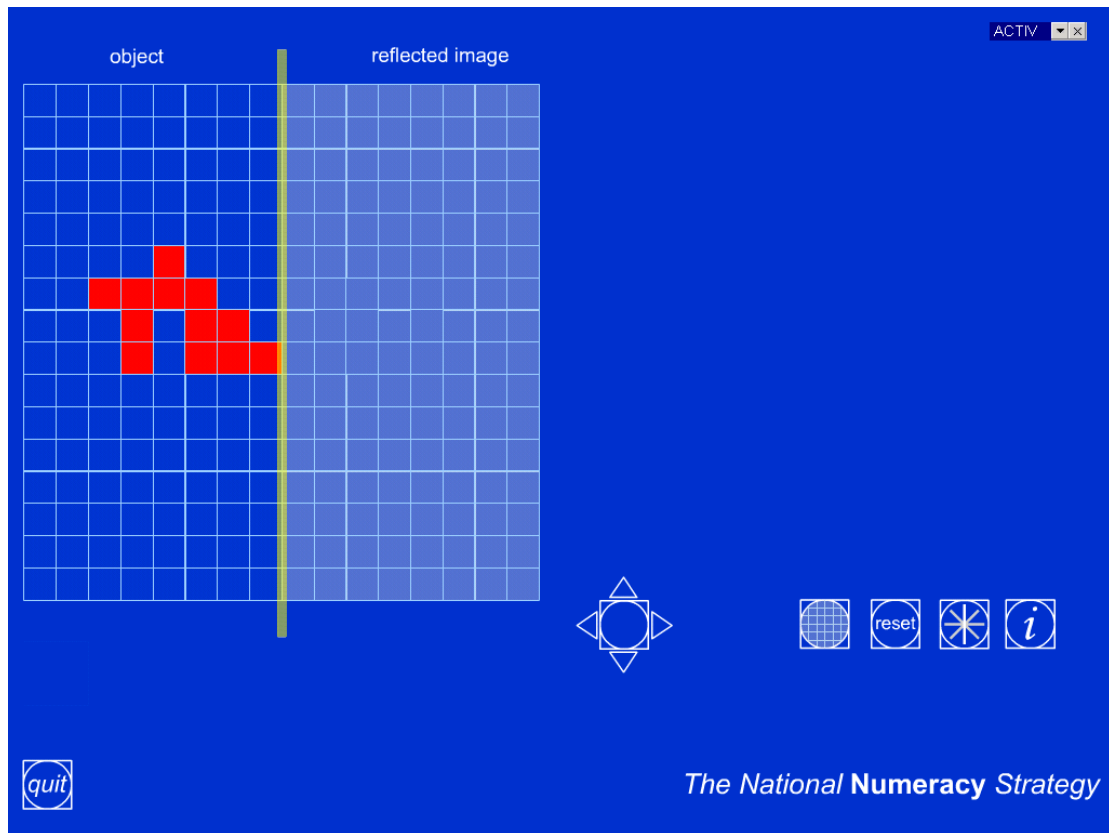



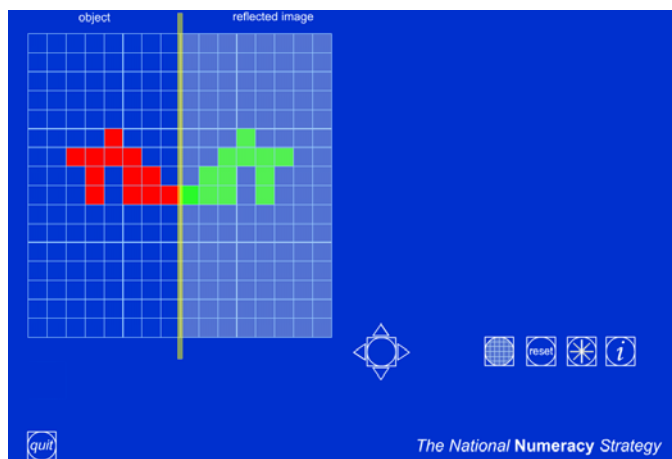
Tutorial 9 Symmetry



Click on squares in the **object** side to make a shape to be reflected. This shape will appear yellow.

Predict the reflection by clicking on the squares in the reflected image side. These squares will turn a darker shade of blue.

Click on the reflection icon  to show the actual reflected image. This will appear in white.



Q: Was your reflection correct?



Click on the left arrow on the icon to move the object shape one column to the left.

Note that the original reflected image has returned to dark blue. This can be changed back to the light blue by clicking on the squares.

Click on the squares to predict where the reflected image will appear now. Highlight the



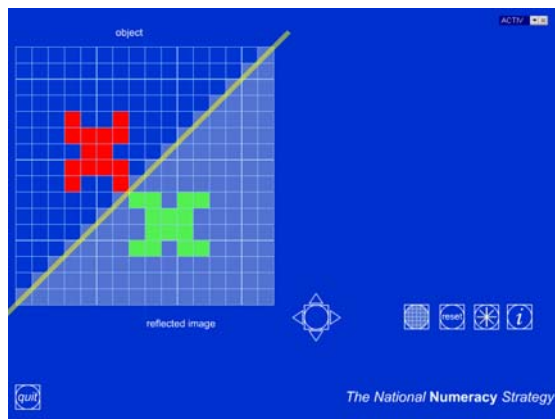
new reflection by clicking on the icon.

Reset the screen.



Change the position of the mirror line by clicking on the icon. Select a diagonal mirror line.

Click on squares on the 'object side' to make a shape to be reflected. Predict the reflection by highlighting squares and check using the appropriate icon.



Reset the screen. A reflected image can be created in dark blue by clicking on the reflected image squares. After identifying the object reflected, this can be checked to see if the white reflected image covers the same squares as the original reflected image.

Use the Symmetry ITP to explore the properties of objects after their reflection and to predict the position and orientation of a reflected image as the object is moved.