



### Student Activity Reflection in a Point

Use in connection with the interactive file "Reflection in a point" on the Student's CD.

1. In the interactive file, what do you notice about the size of the original cat and the size of the image?

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2. In the interactive file what do you notice about the direction of the original cat and the direction of the image?

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3. Name the point of reflection for the cat.

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4. What do you notice about the distance between the points BA and the points AB'? Also what do you notice about the distance between the points CA and the points AC'?

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5. Move the point A and describe what happens to the image of the cat. Also describe what happens to the relationship between the distances BA and AB' and the relationship between the distance between CA and AC'.

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6. What do you notice about the size of the shape F, when it is reflected in the point J?

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7. What do you notice about the direction of the shape F, when it is reflected in the point J?

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8. Move the point J and describe how the image of the shape F now relates to the original in both direction and size.

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9. Describe how to find the image of an object in a point.

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10. Find the image of the following shape in the point E.

