



Directions:

Use the Star Sheet to complete the following activity.



Procedure:

1. Describe the image on the "Star Sheet" in your own words. Describe the brightness of the stars, the colors you see, and whether or not the stars are evenly spaced on the picture.

2. Have your partner hold the "Star Sheet" so that you can see it. Move away from the picture until you can no longer see the colors of the stars on the picture. Measure this distance between you and your partner and record it below.
 - a) The distance that I was first unable to see the different colors among the stars on the "Star Sheet" was: _____.(Don't forget your measuring units!)

Return to your original starting place. This time move away from the picture until you can no longer see the stars at all. Measure this distance between you and your partner and record it below.

- b) The distance that I was first unable to see the stars on the "Star Sheet" was: _____.(Don't forget your measuring units!)

3. Repeat this procedure by reversing roles.
 - a) The distance my partner _____ (name) was first unable to see the different colors among the stars on the "Star Sheet" was: _____.(Don't forget your measuring units!)

b) The distance my partner _____ (name) was first unable to see the stars on the "Star Sheet" was: _____. (Don't forget your measuring units!)

4. Describe how the image appeared differently as you moved away from it.

5. How do stars that are closer to us appear?

6. How do stars that are farther away from us appear?

7. Do you think that the stars are larger or smaller than our Sun? Explain your answer.