



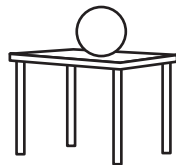
Name: Form:

Based on pages 12 and 13 of *Earth and beyond*

Size and distance

Try this...

1. Make a collection of round objects such as a marble, tennis ball, football, orange, apple, onion.
2. Put the largest object on a table by a wall. Arrange the other objects in order of size starting with the largest.
3. Take each object in turn, hold it in an outstretched hand (see diagram) and carefully move backwards until it appears the same size as the large object.



4. Put down the object you were holding at the distance it appeared the same as the large object.
5. Measure the distance between the two objects.
6. Record your results in a table on the back of this sheet, or on a separate piece of paper.

Looking at the results.

7. Which pair of objects had the greatest distance between them?



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8. Which pair of objects had the least distance between them?



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9. How does the distance change as you change the objects?



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10. Find another object that you have not tested. Predict the distance that will be needed to make it appear the same size as the large object, then test your prediction.