Drawing Planets to Scale Using Angular Measure

1. What is angular measure?

**A**

1. What does ‘drawing something to scale’ mean?
2. Why do we use Angular Measurement with the Celestial Sphere?
3. If a planet was bigger than the moon, did we multiply or divide, why?
4. If a planet was farther away than the moon, did we multiply or divide, why?
5. What happened if the planet was smaller? If the planet was closer than the moon?
6. Do you understand scale drawings better now? Explain why. Evaluate this lesson and tell whether it helped or not.
7. How can I make the lesson better?

Drawing Planets to Scale Using Angular Measure

**B**

1. What is the difference between angular measure and regular measure?
2. What is the difference between a scale drawing and a non-scale drawing?
3. Why do we use Angular Measurement with the Celestial Sphere?
4. When you drew the planets to scale, you multiplied the scale of the moon (0.5° = 0.5 cm) sometimes and divided sometimes. Why? Explain.
5. When would scale models or drawings come in handy to know? List several ideas.
6. Evaluate this lesson and tell whether it helped your understanding of scale and angular measure or not.
7. How can I make the lesson better?

Drawing Planets to Scale Using Angular Measure

**C**

1. What is the difference between angular measure and regular measure? Give examples of when we would use each.
2. What is drawing to scale? Why did we not draw *on paper* a scale drawing of the planets and their distances from the sun?
3. Why do we use Angular Measurement with the Celestial Sphere?
4. We used multiplication and division to calculate the scale. Explain when we used them and why.
5. Write about a scenario of when scale and/or angular measure would be useful. List several and tell why you would use it.
6. Evaluate this lesson and tell whether it helped your understanding of scale and angular measure or not.
7. How can I make the lesson better?