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Resource ID#: 44540

Primary Type: Problem-Solving Task

# Archimedes and the King's Crown

This problem solving task uses the tale of Archimedes and the King of Syracuse's crown to determine the volume and mass of gold and silver.

**Archimedes and the King's Crown (Microsoft Word):** This file includes the task and the related information in Microsoft Word format.  
**Archimedes and the King's Crown (PDF):** This file includes the task and related information in PDF format.

## General Information

**Subject(s):** Mathematics

**Grade Level(s):** 9, 10, 11, 12

**Intended Audience:** [Educators](#), [Students](#), [Parents](#)

**Suggested Technology:** Adobe Acrobat Reader, Microsoft Office

**Freely Available:** Yes

**Keywords:** volume, mass, ratio, proportion, density, Florida Standards

**Instructional Component Type(s):** [Problem-Solving Task](#)

**Resource Collection:** Illustrative Mathematics

## Source and Access Information

**Contributed by:** Hannah Davis

**Name of Author/Source:** Hannah Davis

**District/Organization of Contributor(s):** Leon

**Is this Resource freely Available?** Yes

**Access Privileges:** Public

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## Aligned Standards

Name	Description
<a href="#">MAFS.912.G-MG.1.2:</a>	Apply concepts of density based on area and volume in modeling situations (e.g., persons per square mile, BTUs per cubic foot). ★