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Resource ID#: 42159

Primary Type: Problem-Solving Task

Radius of a Cylinder

Students are asked to interpret the effect on the value of an expression given a change in value of one of the variables.

Radius of a Cylinder (Microsoft Word): This file includes the task and related information in Microsoft Word format.
Radius of a Cylinder (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](#)

Instructional Time: 5 Minute(s)

Freely Available: Yes

Keywords: radius of a cylinder, radius, cylinder, height, volume, interpret, expression, fraction, square root, denominator, numerator, power, cpalms, icpalms, illustrativemathematics.org, illustrative mathematics, tasks, mathematics, math, Florida standards, resource, free, freely available, problems-based learning, student activities

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

Resource Collection: Illustrative Mathematics

Source and Access Information

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Name of Author/Source: Sarah Kahre

District/Organization of Contributor(s): Florida State University

Is this Resource freely Available? Yes

Access Privileges: Public

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Aligned Standards

Name	Description
MAFS.912.A-SSE.1.1:	Interpret expressions that represent a quantity in terms of its context. ★ a. Interpret parts of an expression, such as terms, factors, and coefficients. b. Interpret complicated expressions by viewing one or more of their parts as a single entity. For example, interpret $A(1+r)^n$ as the product of P and a factor not depending on P.