

Area - Interior Design

Scenario - Converting footcandles to watts

Standards

National FCS Standard(s)

FCS 11.2.3

Determine the effects that the principles and elements of design have on aesthetics and function.

SD Mathematics Standard(s)

Math 9-12.N.2.1

Add, subtract, multiply, and divide real numbers including integral exponents.

What will you do?

You are preparing a floor plan for a home. You need to determine how much lighting is needed for certain tasks within the home. Using the worksheet and information on it, you will determine the number of watts of light needed for each task.

What will you need?

Calculator

How will you be evaluated?

Calculations are correct. See Teacher's key.

Supplemental Materials

Lighting for the Home Worksheet

"Lighting for the Home" chart, Chapter 17, Housing Decisions, Goodheart-Wilcox Company, Inc, 2000.

Resources

Housing Decisions, Goodheart-Wilcox Company, Inc, 2000