

Filling and Wrapping/Inv. 1 & 2 Overview

Investigation One - Adding and Subtracting Integers

M.PS.06.02

Draw patterns (of faces) for a cube and rectangular prism that, when cut, will cover the solid exactly (nets)

G.SR.08.08a

Sketch a variety of two dimensional representations of three-dimensional solids including orthogonal views (top, front, and side) and nets

M.TE.06.03c/d

Compute the surface area of cubes and rectangular prisms given the lengths of their sides using formulas

G.SR.08.07a

Understand the concept of surface area

Investigation Two - Designing Rectangular Boxes

G.SR.08.07b

Find the surface area of prisms, cones, spheres, pyramids, and cylinders

M.TE.06.03c/c

Compute the surface area of cubes and rectangular prisms given the lengths of their sides using formulas

M.TE.06.03a/b

Compute the volume of cube and rectangular prisms given the lengths of their sides using formulas