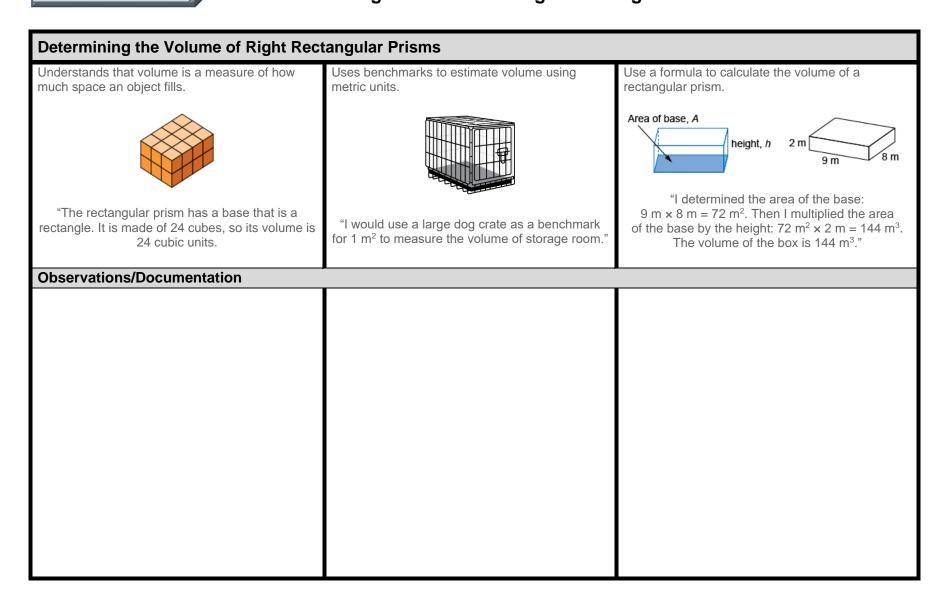
Activity 4 Assessment Determining the Volume of Right Rectangular Prisms



Measurement

Activity 4 Assessment Determining the Volume of Right Rectangular Prisms

Constructs different rectangular prisms for a given volume.	Sketches rectangular prisms and calculates volume using formula $V =$ base area x height.	Flexibly solves problems in various contexts that involve the volume of rectangular prisms.
Make as many different rectangular prisms as you can with a volume of 30 cm ³ . "I made 5 different prisms. The dimensions are: 1 cm by 1 cm by 30 cm; 1 cm by 2 cm by 15 cm; 1 cm by 3 cm by 10 cm; 1 cm by 5 cm by 6 cm; 2 cm by 3 cm by 5 cm."	"The base area is: 3 cm × 5 cm = 15 cm ² . The height is 7 cm. Volume = 15 cm ² × 7 cm = 105 cm ³ ."	A box has volume 4500 cm ³ . The box has length 30 cm and width 15 cm. What is the height of the box? "The area of the base of the box is 30 cm × 15 cm = 450 cm ² . V = base area × h 4500 cm ³ = 450 cm ² × h h = 10 cm The box has height 10 cm."
Observations/Documentation		