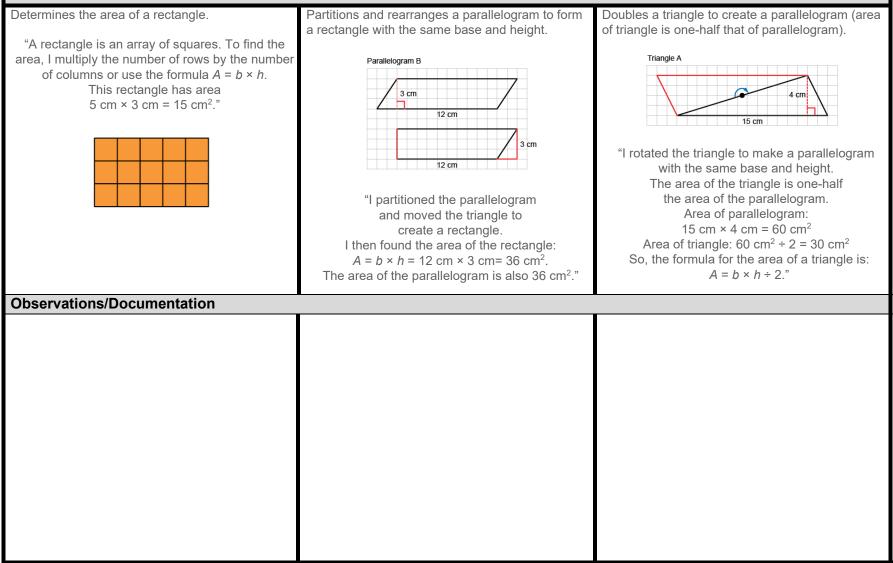
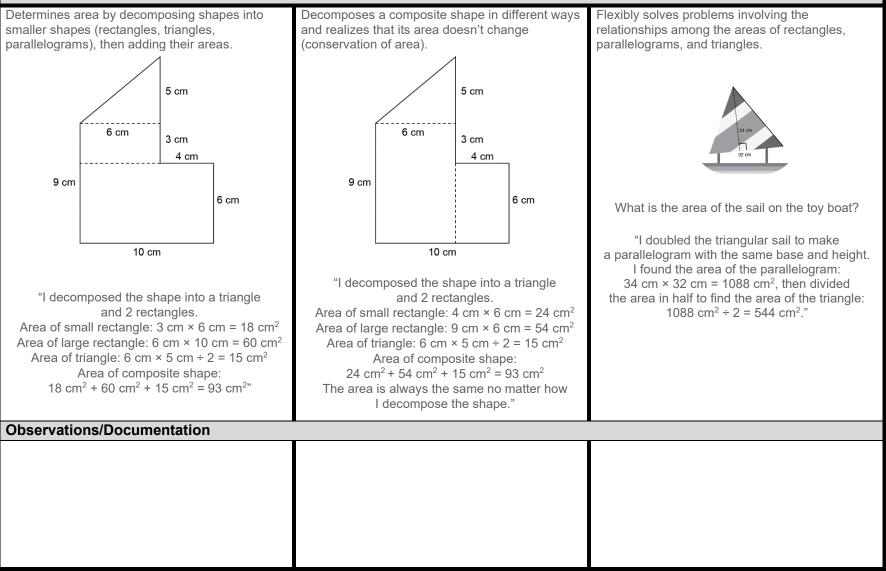
Activity 5 Assessment Area and Volume Consolidation

Measuring Area of Parallelograms and Triangles

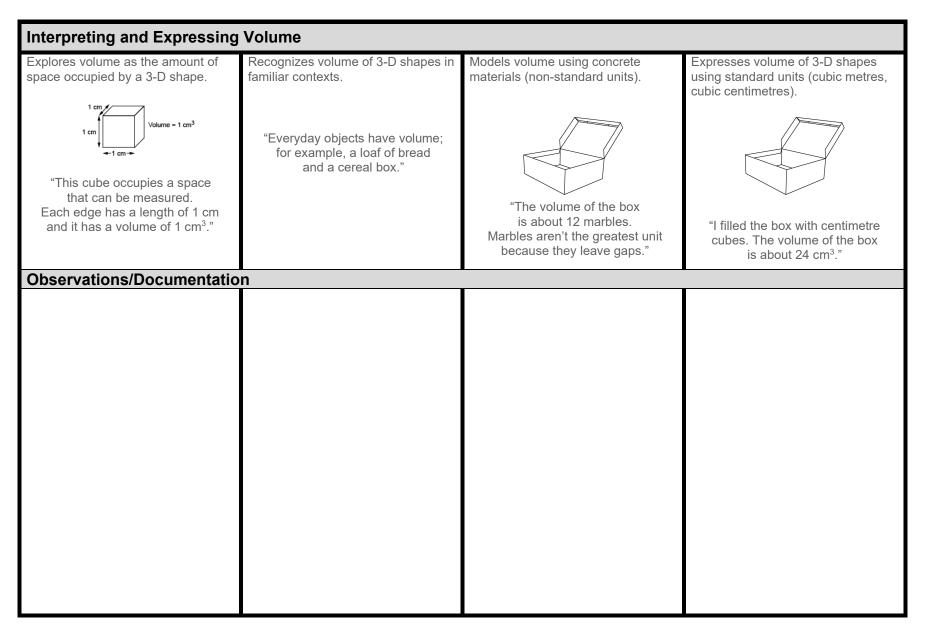


Activity 5 Assessment Area and Volume Consolidation

Measuring Area of Parallelograms and Triangles (cont'd)



Activity 5 Assessment Area and Volume Consolidation



Activity 5 Assessment Area and Volume Consolidation

Interpreting and Expressing Volume (cont'd)

Models volume of a rectangular prism as a 3-D array of cubic units. "The prism is a 3-D array of centimetre cubes. There are 12 cubes in each layer and 3 layers: 12 + 12 + 12 = 36. The prism has volume 36 cm ³ ."	Recognizes that volume remains the same when decomposed or rearranged. "I rearranged the 36 centimetre cubes to make a different prism. The number of cubes didn't change so, the volume is still 36 cm ³ ."	Determines the volume of a rectangular prism using multiplication. "The prism has length 4 cm, width 3 cm and height 3 cm. The area of the base is 4 cm × 3 cm = 12 cm ² , and the volume of the prism is: Area of the base × height = 12 cm ² × 3 cm = 36 cm ³ ."	Flexibly solves problems in various contexts that involve the volume of rectangular prisms. A square prism has height 11 cm and volume 539 cm ³ . Determine the side length of the square base. "Volume = area of base × height 539 cm ³ = Area of the base × 11 cm $539 \div 11 = 49$ So, the area of the base is 49 cm ² . The base is a square, so all sides are equal: 49 cm ² = <i>s</i> × <i>s</i> Since 7 × 7 = 49, the side length of the square base is 7 cm."
Observations/Documentation	n		