Determine the pattern rule to make predictions about subsequent elements.

Express a given problem as an equation in which a letter variable is used to represent an unknown number (limited to whole numbers).

Solve problems involving single-variable, one-step equations with whole number coefficients and whole number solutions.

Subtopic

Patters and Relations

Identify 90° angles

Design and construct different rectangles, given either perimeter or area, or both (whole numbers), and make generalizations

Demonstrate an understanding of measuring length (mm) by:

selecting and justifying referents for the unit mm modelling and describing the relationship between mm and cm units, and between mm and m units

selecting and justifying referents for cm3 or m3 units estimating volume, using referents for cm3 or m3 measuring and recording volume (cm3 or m3) constructing right rectangular prisms for a given volume.

Demonstrate an understanding of capacity by:

describing the relationship between mL and L selecting and justifying referents for mL or L units estimating capacity, using referents for mL or L measuring and recording capacity (mL or L).

Describe and provide examples of edges and faces of 3-D objects, and sides of 2-D shapes that are:

parallel intersecting perpendicular vertical

horizontal.

Identify and sort quadrilaterals, including:

- rectangles squares
- trapezoids
- parallelograms rhombuses
- according to their attributes

Identify and describe a single transformation, including a translation, rotation and reflection of 2-D shapes.

Perform, concretely, a single transformation (translation, rotation or reflection) of a 2-D shape, and draw the image.

Shape and Space

