### Statistics and Probability Year 7

#### Year 6

**CHANCE**
- Understand Chance
  - Use simple data sets to explore the likelihood of events
  - Investigate the outcomes of chance experiments
  - Assign probabilities to outcomes

**DATA REPRESENTATION & INTERPRETATION**
- Collect and Process Data
  - Interpret data presented in digital media and articles

**Interpret Data**
- Use data sets to interpret data displays

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### Year 7 Achievement Target

By the end of Year 7, students solve problems involving the comparison, addition and subtraction of integers. They make connections between whole numbers and index notation and the relationship between perfect squares and square roots. They solve problems involving percentages and all four operations with fractions and decimals. They compare the cost of items to make financial decisions. Students represent numbers using variables. They connect the laws and properties for numbers to algebra. They interpret simple linear representations and model authentic information. Students describe different views of three-dimensional objects. They represent transformations in the Cartesian plane. They solve simple numerical problems involving angles formed by a transversal crossing two parallel lines. Students identify issues involving the collection of continuous data. They describe the relationship between the median and mean in data displays.

Students use fractions, decimals, and percentages, and their equivalences. They express one quantity as a fraction or percentage of another. Students solve simple linear equations and evaluate algebraic expressions after numerical substitution. They assign ordered pairs to given points on the Cartesian plane. Students use formulas for the area and perimeter of rectangles and calculate volumes of rectangular prisms. Students classify triangles and quadrilaterals. They name the types of angles formed by a transversal crossing two parallel lines. Students identify issues involving the collection of continuous data. They describe the relationship between the median and mean in data displays.

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### ACTIVITIES

- Develop proficiency in using fractions, decimals, and percentages, and their equivalences.
- Express one quantity as a fraction or percentage of another.
- Solve simple linear equations and evaluate algebraic expressions after numerical substitution.
- Assign ordered pairs to given points on the Cartesian plane.
- Use formulas for the area and perimeter of rectangles and calculate volumes of rectangular prisms.
- Classify triangles and quadrilaterals.
- Name the types of angles formed by a transversal crossing two parallel lines.