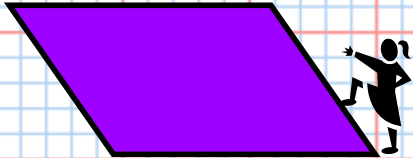


Self-Check for Tutorial 5 Area and Volume: Concepts and Calculations

Use the squares to approximate the area of each figure. Use your area approximation as the base and the given height to approximate the volume of the irregular shape.

1. Parallelogram



What would the volume be if the parallelogram was a **prism** with height of 5 units?

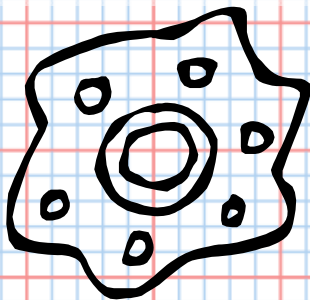
2. Hexagon



What would the volume be if the hexagon was a **pyramid** with height of 9 units?

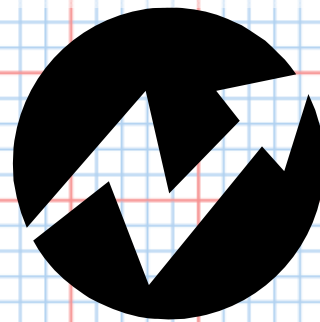
3. Amoeba shape

Note: Area includes everything within the outer boundary of shape



What would the volume be if the amoeba was a **pyramid** with height of 24 units?

4. Arrow



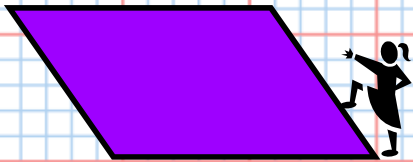
What would the volume be if the arrow was a **prism** with height of 10 units?

Solutions to Self-Check for Tutorial 5 Area and Volume: Concepts and Calculations

Use the squares to approximate the area of each figure. Use your area approximation as the base and the given height to approximate the volume of the irregular shape.

Your area and volume approximations should be within the given range for each irregular shape.

1. Parallelogram



Area range 60 to 65 square units

What would the volume be if the parallelogram was a **prism** with height of 5 units?

Volume range 300 to 325 cubic units

2. Hexagon



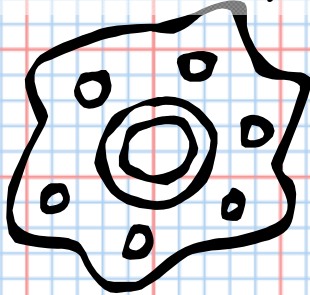
Area range 72 to 82 square units

What would the volume be if the hexagon was a **pyramid** with height of 9 units?

Volume range 216 to 246 cubic units

3. Amoeba shape

Note: Area includes everything within the outer boundary of shape

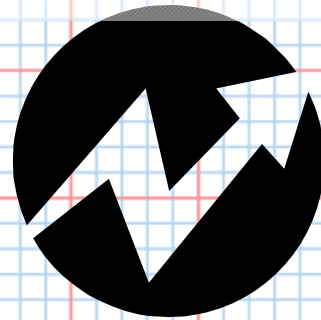


Area range 78 to 90 square units

What would the volume be if the amoeba was a **pyramid** with height of 24 units?

Volume range 624 to 720 cubic units

4. Arrow



Area range 28 to 32 square units

What would the volume be if the arrow was a **prism** with height of 10 units?

Volume range 280 to 320 cubic units