

Building a Home

Wade's family is going to build a new house on a **plot** of land. The neighborhood is a great place for Wade's family to live. Wade's parents work close by. And his friends live in the area, too.



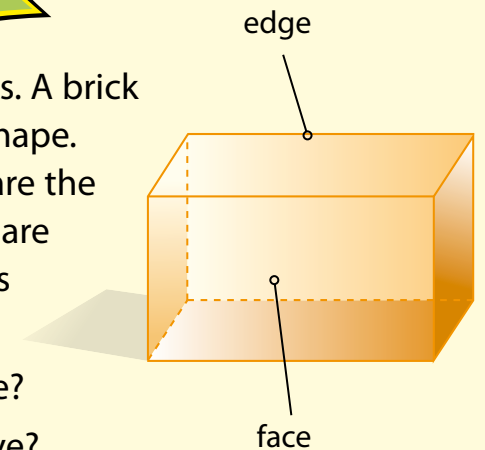
Wade wonders what their new house will look like. He begins to look at all kinds of homes. He sees many different shapes in the houses.



LET'S EXPLORE MATH

Some houses are made of bricks. A brick is a **three-dimensional (3-D)** shape. It is a rectangular prism. Faces are the flat parts of a 3-D shape. Edges are where 2 faces meet. Look at this rectangular prism.

- How many faces does it have?
- How many edges does it have?
- Name another 3-D shape that has the same number of faces and edges.



Geometry Around Us

Look at the apartments or houses in your neighborhood. You will see many shapes. The study of shapes is called **geometry**. Geometry is all around us.

What shapes do you see in this picture?



Architects

Architects (AR-kuh-tekts) design buildings. Wade's family meets with an architect. They talk about what their house will look like. Then the architect shows Wade's family a picture of his favorite building. It is a fire station.

Vitra Fire Station, Germany



Zaha Hadid, 1950–

Zaha Hadid is a famous architect. She was born in Baghdad, Iraq. She designed the fire station in the picture above. Zaha has a degree in mathematics.

