

Table of Contents

Shapes All Around	4
Starting Your Trip at Los Angeles's Union Station	6
Stopping in Chicago's Union Station	11
Stopping in Washington D.C. and Philadelphia	20
Last Stop! New York City's Grand Central Station	24
Solve the Problem	28
Glossary	30
Index	31
Answer Key	32

Look at the station from the outside. The upper windows are squares, too.



LET'S EXPLORE MATH

A square is a flat shape with 4 sides. The sides are all equal in length. The points where the sides meet are called vertices. Look at these shapes. Then answer the questions.

1.



2.



3.



- How many vertices are in shape 1?
- How many vertices are in shape 2?
- How many vertices are in shape 3?
- Which shape is a square? How do you know?

Train tracks have rails and ties.
The ties are the shorter pieces under
the rails. The rails are parallel. The
ties are parallel, too.



The ties are **rectangles**.
A rectangle has 4 sides
and 4 vertices. There
are 2 short sides that are
parallel. There are 2 long
sides that are parallel.

