

Buildings That Last

Find how ancient building ideas are used in places today.

3.5.e "identifying and explaining the architecture and its influence in the world today."

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline each phrase that names an architecture feature. Circle each phrase that tells how that feature is used or affects buildings today.

Old Designs, New Places

- ① Architecture is the art and science of planning and building structures. Long ago, Roman builders used the arch, a curved shape over an opening. Arches helped spread the weight of heavy stone. This allowed Romans to build strong bridges, aqueducts that carried water, and large arenas. Many Roman buildings still show rows of arches to visitors today.
- ② Today, architects use arches in places such as bridges, train stations, and school doorways. Modern arches may be made from steel or concrete instead of stone. The shape can hold weight while leaving open space below. When people walk through an arched entrance or cross an arched bridge, they use an idea that began thousands of years ago.
- ③ Another old design is the column, a tall support that holds up part of a building. Ancient Greek temples used columns across their fronts. Today, some libraries, museums, and government buildings use columns at their entrances. Designers may choose columns because they support a roof and give a building a formal, important look. Old ideas can shape new places.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 What Roman architecture feature was a curved shape over an opening? How did it help builders?

2 Name two places where architects use arches today. What is one benefit of an arch?

3 What feature did ancient Greek temples use across their fronts? Name two kinds of buildings that use this feature today.

4 How do columns show that an old architecture idea can influence buildings today?

3 YOUR TURN _____ Your own words

In the first panel, sketch an ancient building with arches or columns. In the second panel, sketch a modern building using the same feature, then write one sentence explaining how the feature helps or changes the modern building.



PART 1 • READ AND MARK

Underline each phrase that names an architecture feature. Circle each phrase that tells how that feature is used or affects buildings today. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	What Roman architecture feature was a curved shape over an opening? How did it help builders?	An arch. It spread the weight of heavy stone, which helped builders make strong structures.
2	Name two places where architects use arches today. What is one benefit of an arch?	Answers may name bridges, train stations, or school doorways. An arch can hold weight while leaving open space below.
3	What feature did ancient Greek temples use across their fronts? Name two kinds of buildings that use this feature today.	Columns. Answers may name libraries, museums, or government buildings.
4	How do columns show that an old architecture idea can influence buildings today?	Modern public buildings use columns at entrances. Columns can support a roof and make a building look formal and important.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Panel 1: An ancient Greek temple has columns across its front. Panel 2: A modern library has columns at its entrance. Sentence: The columns hold up the roof and make the library look important.

Accept accurate explanations that connect an ancient arch or column to a modern building. For the sketch, accept simple labeled drawings when the shared feature is clear.