

Roman Designs Today

Identify Roman building features and trace their influence.

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

NAME _____

DATE _____

1 READ AND MARK _____ Read it twice

YOUR JOB Underline words that name Roman building features. Circle one sentence in each paragraph that explains what the architecture helped people do or how it influenced later builders.

Building Ideas That Last

- ① Ancient Roman builders designed structures that were useful and strong. They built roads, bridges, baths, temples, and arenas. Many Roman buildings used concrete, a mixture that hardened into a tough material. Builders also used arches. An arch is a curved shape that carries weight down and out to supports on each side. These choices let Romans build larger spaces.
- ② Roman aqueducts carried fresh water from springs or rivers to towns. Water flowed gently downhill through channels. Some aqueducts crossed valleys on rows of arches. The arches held up the water channel while leaving open space below. This design helped Romans bring water to baths, fountains, and homes. It also showed how a building shape could solve a community problem.
- ③ Roman architecture influenced later builders in many parts of the world. Architects used Roman-style arches in bridges and doorways because arches can support heavy weight. Some public buildings, such as museums and government buildings, use columns and domes inspired by Greek and Roman designs. When people see these features today, they can learn that old building ideas still shape the places people use.

2 ANSWER WITH EVIDENCE _____ Use the passage

1 Which two design features did Roman builders use? Explain how each feature helped them build.

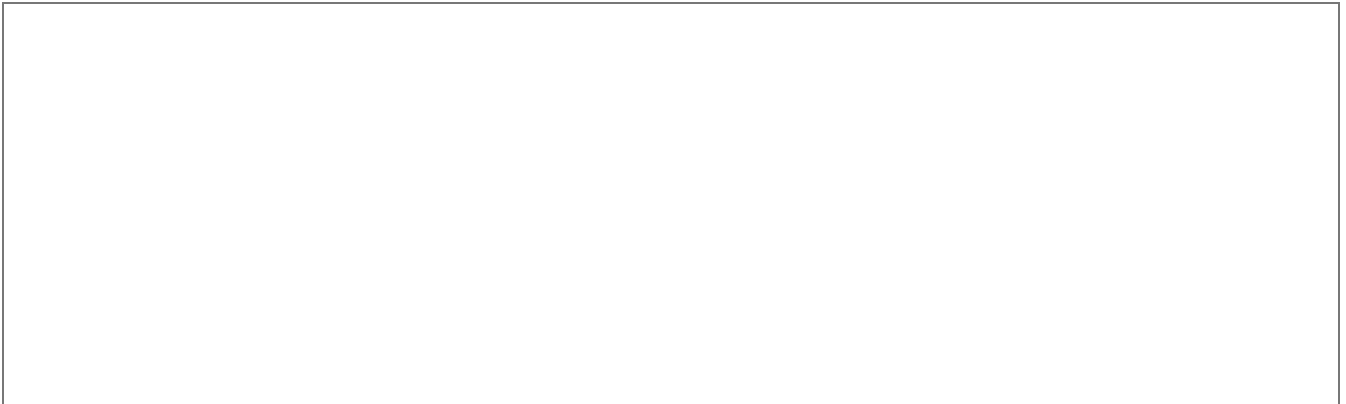
2 How did arches help some Roman aqueducts cross valleys?

3 Why do architects still use Roman-style arches in bridges and doorways?

4 What public buildings today show Greek and Roman design influence? Name the features they use.

3 YOUR TURN _____ Your own words

In the box, draw a community building that uses one Roman-inspired feature, such as an arch, a column, or a dome. Label the building and the feature, then write two sentences explaining how the feature helps people today and how it connects to Roman architecture.



PART 1 • READ AND MARK

Underline words that name Roman building features. Circle one sentence in each paragraph that explains what the architecture helped people do or how it influenced later builders. Accept any marking that follows this job and points at the right text.

PART 2 • ANSWERS

#	QUESTION	ANSWER
1	Which two design features did Roman builders use? Explain how each feature helped them build.	They used concrete, which hardened into a tough material, and arches, which carried weight to supports on each side and helped builders make larger spaces.
2	How did arches help some Roman aqueducts cross valleys?	The arches held up the water channel while leaving open space below.
3	Why do architects still use Roman-style arches in bridges and doorways?	They use them because arches can support heavy weight.
4	What public buildings today show Greek and Roman design influence? Name the features they use.	Museums and government buildings may use columns and domes inspired by Greek and Roman designs.

PART 3 • YOUR TURN (SAMPLE ANSWER)

Drawing: Town library with an arched entrance. Labels: town library; arch. The arch supports the heavy wall above the door. I used the arch because Roman builders used arches in their structures.

Accept equivalent descriptions of concrete, arches, aqueducts, columns, and domes when they match the passage. For the open task, accept any sensible building design with a labeled Roman-inspired feature, a present-day purpose, and a clear connection to Roman architecture.