

Roman Engineering Review

Week 11 • Friday • Farewell to Ancient Rome

Reading Time

Time to say farewell to the amazing Roman builders! We learned their two big secrets: the strong curved **arch** and rock-hard **concrete** made with volcanic ash. With these, Romans built things that still stand 2,000 years later.

Roman **roads** — about 50,000 miles of them — were built in layers and ran straight across the empire. **Aqueducts** carried fresh water for miles using only gravity, crossing valleys on tall arched bridges.

And the mighty **Colosseum** held 50,000 fans, with 80 entrances and a pull-over cloth roof — the great-great-grandparent of every stadium today. Roman engineers proved that with clever ideas and hard work, you can build things that last for thousands of years!

What We Learned This Week

- ✓ Rome's secrets: the arch and concrete.
- ✓ Roads: 50,000 miles, built in layers, super straight.
- ✓ Aqueducts: gravity-powered water channels.
- ✓ The Colosseum: a 50,000-seat stadium with a cloth roof.
- ✓ Modern engineers still copy Roman ideas!

True or False Quiz

Write T for true or F for false in each circle.

- ☐ The arch is a strong curved shape.
- ☐ Roman concrete was made with volcanic ash.
- ☐ Roman roads were built in one thin layer.
- ☐ Aqueducts moved water using gravity.
- ☐ The Colosseum could hold about 50,000 people.
- ☐ The velarium was a cloth roof for shade.
- ☐ No Roman buildings are still standing today.

Match the Marvel

Write R for roads, A for aqueducts, or C for Colosseum.

Clue	R, A, or C?
Carried water across valleys	
The Appian Way	
Gladiators and 80 entrances	
Built in layers like a sandwich	
Water flowed downhill for 50 miles	
A giant oval stadium	

Show What You Know

1. Which Roman marvel would you most like to see in real life — a road, an aqueduct, or the Colosseum? Why?

2. If you were a Roman engineer, what would YOU build for your city?

Draw It!

Draw a 'Roman Engineering' poster showing all three marvels: a road, an aqueduct, and the Colosseum.

Review

I can...	Circle one
Explain why arches are strong	YES / NOT YET
Tell how aqueducts moved water	YES / NOT YET
Describe the Colosseum	YES / NOT YET