

Discover other ancient building techniques with the Arch-Kid-Tech® series.



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Updated digital version – October 2026
Some earlier printed copies contain factual inaccuracies. This downloadable version has been reviewed and updated to correct those points.

Travel back more than 5,000 years to ancient Egypt. By around 3100 BCE, Upper and Lower Egypt had been united under a single ruler, marking the beginning of Egypt's dynastic period.



Egyptian scribes and builders used mathematics to solve practical problems—measuring land, dividing quantities, and calculating areas and volumes. They also observed the sky closely. Stars could be used to tell time at night, while the Nile's seasonal cycle helped organize the year. Measurement, observation, and geometry became part of how Egyptians understood, planned, and built their world.





But numbers were only part of the story. Religion shaped ancient Egyptian life, and their gods could appear in human, animal, or combined forms. The king held a sacred role and was closely associated with Horus, the god of kingship.





The Egyptians believed that life could continue after death. During the Old Kingdom, pyramids became monumental royal tombs, built as part of larger complexes devoted to the king's journey into the afterlife.

The Great Pyramid of Giza was built for King Khufu around 2600 BCE. Originally 146.5 meters tall, it remained the world's tallest structure for about 3,800 years and is the only one of the Seven Wonders of the Ancient World still standing.



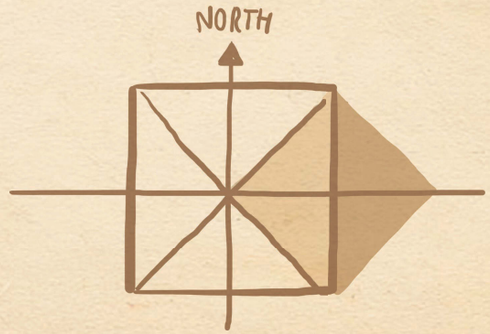
Most core limestone came from nearby quarries, while finer casing stone came from Tura. Many blocks weighed around two tons, with some far heavier.

Workers quarried, shaped, moved, and raised the stone layer by layer. Exactly how the blocks were lifted remains debated; ramps and levers may have played a part.



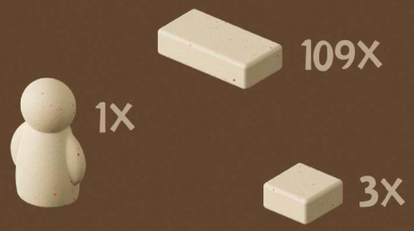
The base was laid out with remarkable precision. The Great Pyramid aligns so closely with the cardinal directions that it differs from true north by less than one tenth of a degree.

How this precision was achieved is still debated. Surveying and observations of the sky may have helped. Accuracy at the base mattered to every layer above it.

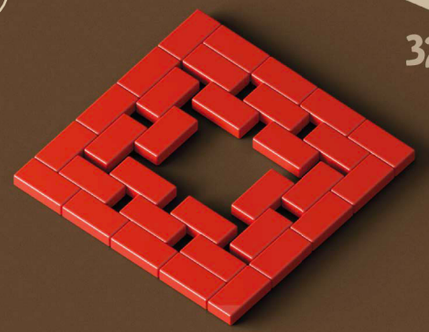


Ready to build your own pyramid—one carefully placed layer at a time?

Find these pieces and let's start building!



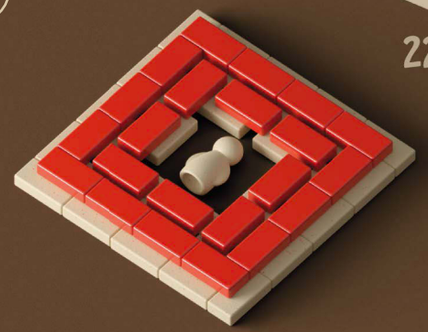
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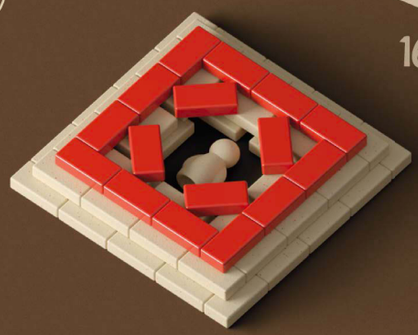
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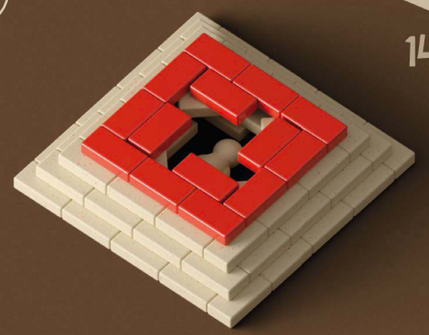
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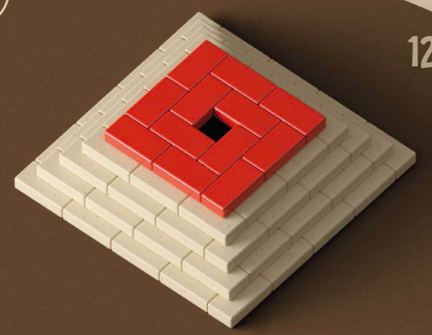
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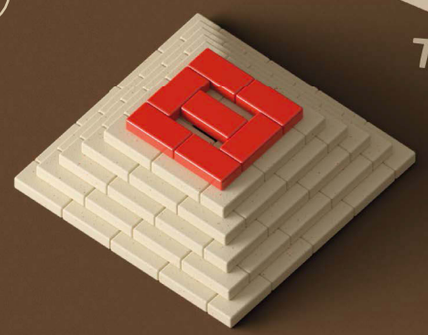
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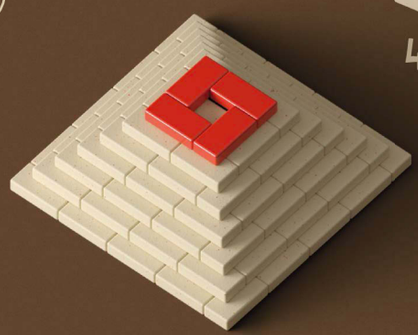
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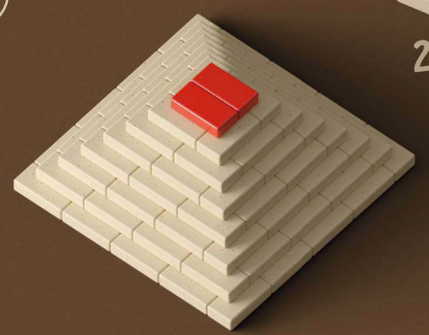
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