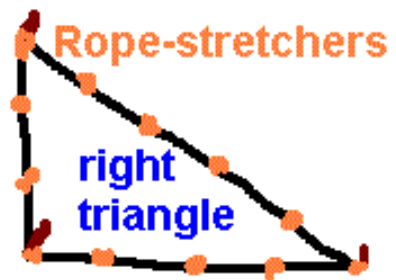


The Ancient Egyptian Rope Stretchers

Knotted cords were used by rope stretchers, who measured out the boundaries of fields in Ancient Egypt. They use knotted cords of rope. The knotted cords were 100 royal cubits in length with a knot every *hayt*. A *hayt* is 10 royal cubits. The rope stretchers stretched the rope in order to take the sag out of it and keep the measures uniform.

ACTIVITY: Prepare the surveyors rope: 100 Royal cubits in length

The rope-stretchers had other types of ropes, as well. One form of a rope was tied in a circle with 12 evenly spaced knots. It turns out that if the rope was pegged to the ground in the dimensions of 3-4-5, a right triangle would emerge. This enabled the Ancient Egyptian builders to lay the foundations for their buildings accurately.



ACTIVITY: Prepare the 3,4, 5 rope, mount to poster board– explain how it works.

4 slides on *The Egyptian “Rope Stretchers”*:

<http://www.slideshare.net/sdlandau/the-egyptian-rope-stretchers>