

280 cubits

440 cubits

Photo credit: Britannica

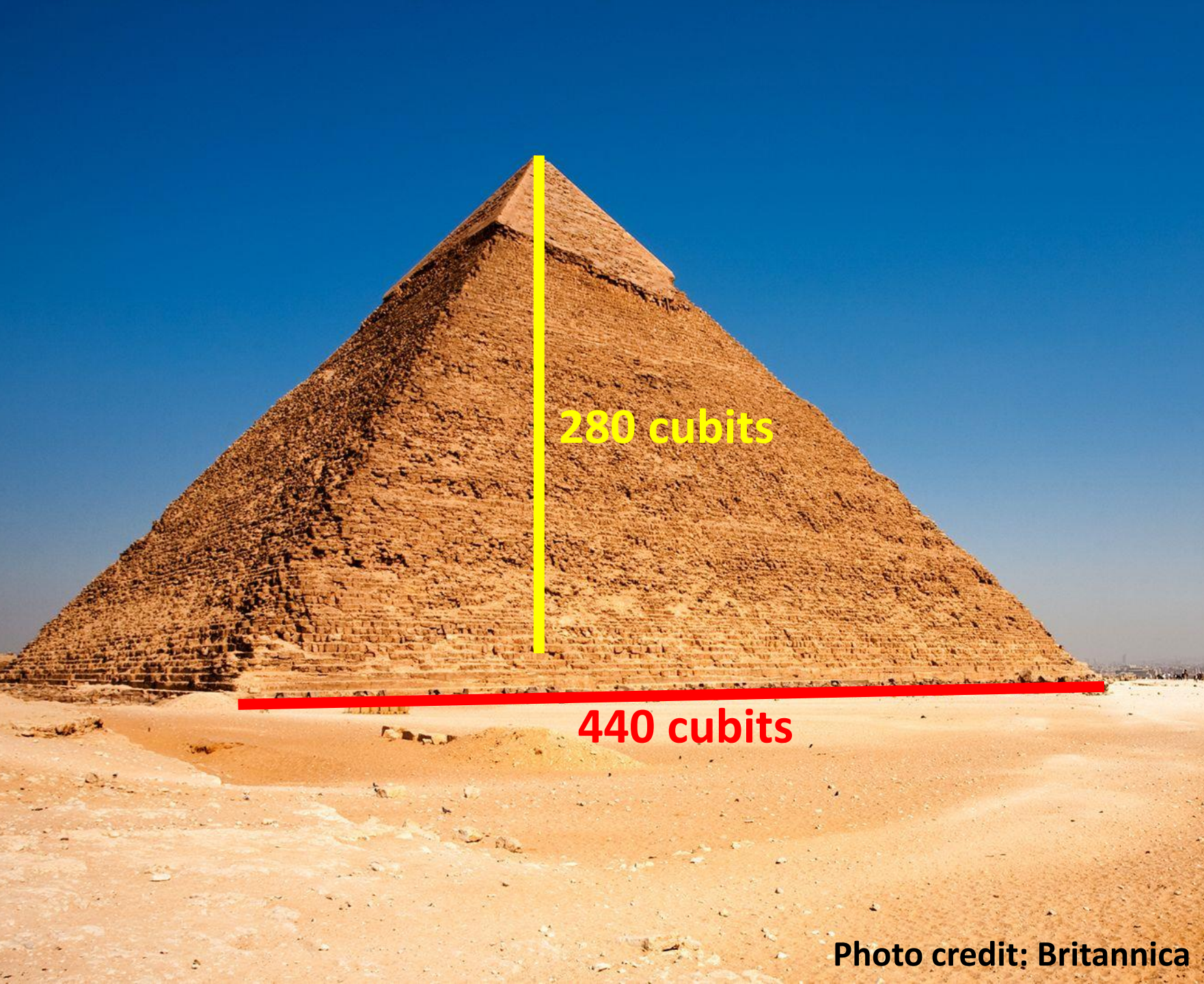
They have found pi in the strangest places. Can you find it in this pyramid in Egypt?

On looking closer, it may not be so strange. One ancient approximation of pi is  $\frac{22}{7}$ .

$$\frac{22}{7} = 3.14285714$$

Do you see any multiples of 22?

Any multiples of 7?



280 cubits

440 cubits

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They have found pi in the strangest places. Can you find it in this pyramid in Egypt?

$$440/280 = \frac{\pi}{2}$$

On looking closer, it may not be so strange. One ancient approximation of pi is  $\frac{22}{7}$ .

Do you see any multiples of 22?

$$440 = 22 \times 20$$

Any multiples of 7?

$$280 = 7 \times 40$$

It's not so remote when you also consider that a cubit is seven palms (as in hands). Alexandria Egypt was also the cradle of geometric studies, so the ancient Egyptian mathematicians and architects understood the significance of pi.