

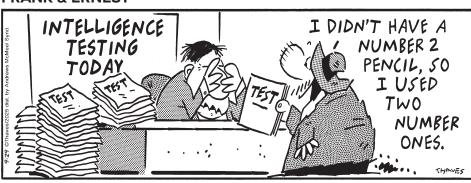


ROSE IS ROSE





FRANK & ERNEST



MUTTS

THE

Rome .

9



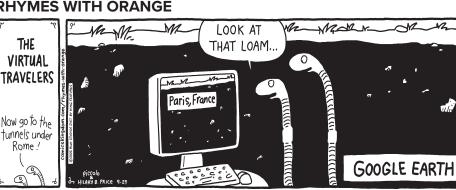
THE GRIZZWELLS



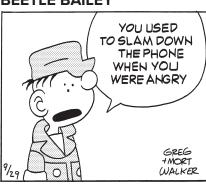




RHYMES WITH ORANGE



BEETLE BAILEY





DADDY DAZE







BUT THIS TIME THERE WERE FLAMING HOOPS LINED WITH RAZOR-SHARP TEETH DIPPED IN FAST-ACTING POISON

ADAM DAILIES





This cartoon makes me need someone

to lean on.





MODERATELY CONFUSED



REALITY CHECK





n 1173,

construction began on what was to be one



The

Tower

bells.



Leaning Into The

This edition of Shortcuts is sponsored by Belle Tower.

Tower of Pisa

her daughter? Ailene. How do you describe the ngineering of the Tower of Pisa? Lenient.



pronounced, giving the tower its unofficial nickname "The Leaning Tower of Pisa." A Sinking Feeling

of the most beautiful bell towers in

Italy. By the time the third story was being built, engineers noticed the tower

had begun to lean to one side. It was

discovered that the combination of a shallow foundation, soft soil and the

tower's massive weight were causing it

to sink unevenly into the ground. Over

the centuries, the lean became more

The foundation of the Tower of Pisa has sunk about 1.2 mm (0.05 in.) every year for nearly 850 years.

By 2008, sensors indicated that the tower had finally stopped sinking.

after construction began. Word Search

The Tower of Pisa was not

completed until 199 years

Can you find the hidden words? Search carefully because some words are backward or diagonal. of Pisa contains ENGINEER STORY TILT seven SOIL CURVE TOURISTS massive ITALY PISA **FAMOUS** WAR LEAN DEGREE BOB BELL TOWER SINK FIX REPAIR CALCULATORADD BIGORNIROADIP ALLIKEVI

TRYYEEVROREDU EYEBIBANANATS Why doesn't the Tower of Pisa fall? Because of all the

Tourists climb 294 steps to reach the top of the Tower of Pisa. The stairs going to the high side of the tower require two extra steps.

The Tower of Pisa is one the most popular tourist sites in the world, receiving more than 5 million visitors every year.

Why didn't the other towers want to date the Tower of Pizza?
They weren't inclined

Construction of the tower stopped for nearly 100 years due to war. The pause allowed the foundation of the tower to settle, possibly preventing it from collapsing earlier had construction continued.

Thrown For A Curve

When construction resumed after a 100-year pause, engineers decided to compensate for the lean by making additional stories slightly taller on the short side. This caused the tower to have a slight bananalike curve but did not stop the lean. There are In fact, the weight of

at least two the extra stonework more leaning towers in the city of Pisa. caused it to lean even more.

Leaning Tower Of Pizza



For more information: "Pisa Tower" by Rosel Rosel (independently published) or www.towerofpisa.org

tourists holding it up.

> The Tower of Pisa leaned as much as 5.5° before it was closed to the public in 1990 for repairs. Reopened in 2001, the successful repair brought the lean back to a safer 3.97° tilt.

Attempts to fix the tower's famous lean have been made throughout the centuries. The attempts made in 1838 and 1934 actually increased the lean.