## $\pi \mathbb{N N T H E ~ S K Y}^{2}$

Pi is back in our skies, helping mathematical sleuths such as yourself solve stellar problems -like this one: Find the dizzying number of times a Mars rover's wheels have rotated in 11 years.

Remember, pi leads the way.

Discover more " $\pi$ in the sky" math problems at: jpl.nasa.gov/edu/piday2015


## MARS MARATHON

The Mars Exploration Rover Opportunity has been driving on the Red Planet for more than 11 years
-- not bad for a mission only planned to last for three months! Opportunity has already beat the off-Earth driving distance record of 39 kilometers and is approaching a marathon distance: 42.195 kilometers.

When Opportunity reaches the marathon mark, how many times will its 25 -centimeter diameter wheels have rotated?

