



worksheet **2**

Astronaut

In the DVD program, *The Math Path*, examples are given of how different careers would be affected in a world without math. Here are some suggested problems for your students to solve to see how math is used in various careers and its importance to our daily lives.

Astronaut

Change each planet's diameter from a customary to a metric amount.

Remember: To change a diameter from miles to kilometers, multiply by 1.61.

Planet	Diameter in Miles*	Diameter in Kilometers
Mercury	3,032	<u>4,881.52</u>
Venus	7,521	<u>12,108.81</u>
Earth	7,926	<u>12,760.86</u>
Mars	4,221	<u>6,795.81</u>
Jupiter	88,846	<u>143,042.06</u>
Saturn	74,897	<u>120,584.17</u>
Uranus	31,763	<u>51,138.43</u>
Neptune	30,775	<u>49,547.75</u>
Dwarf Planet		
Pluto	1,485	<u>2,390.85</u>

*According to: http://nssdc.gsfc.nasa.gov/planetary/factsheet/planet_table_british.html

The U.S. Department of Education awarded Oklahoma with state GEAR UP grants totaling \$20.5 million in August 1999 and \$20.6 million in August 2005. The grants have been matched by more than \$47 million from state and partner resources. With the addition of the 2005 multi-year, federal grant, Oklahoma's GEAR UP program will ultimately receive more than \$45.6 million in federal funds by 2011. GEAR UP receives 49 percent of total funding from the federal government and 51 percent from other organizations.