

# *It's All Relative 1*

## *Teacher Key*

Planet	Actual Diameter (km)	Scale Diameter (cm)	$\times \pi$	Circumference (cm)
Mercury	4,879	1.0	$\times \pi$	3.1
Venus	12,104	2.4	$\times \pi$	7.5
Earth	12,756	2.5	$\times \pi$	7.9
Mars	6,794	1.3	$\times \pi$	4.1
Jupiter	142,984	28.6	$\times \pi$	89.8
Saturn	120,536	24.1	$\times \pi$	75.7
Uranus	51,118	10.2	$\times \pi$	32.0
Neptune	49,528	9.9	$\times \pi$	31.1
Pluto	2,360	0.5	$\times \pi$	1.57

Explain (in writing) the strategy you used to find the correct planet.