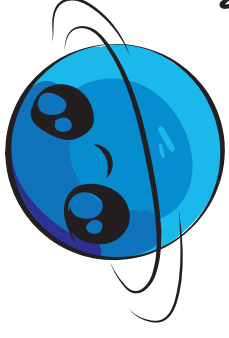


Planet orbit Speed Calculations



How many degrees around its orbit does each planet move in one day? To set up your model of the orbiting planets, you will need to calculate the number of degrees each planet orbits per day. Remember, there are 360 degrees in a complete circle.

Planet Name	Days to orbit the Sun
Mercury	88 days
Venus	225 days
Earth	365 days
Mars	687 days
Jupiter	4,332 days
Saturn	10,785 days
Uranus	30,688 days
Neptune	60,182 days
Pluto	90,520 days

If there are 360° in a circular orbit...

You can calculate how many degrees each planet moves in one day.

How many degrees a planet moves in one day

$$\frac{\text{Degrees in a circle}}{\text{Days to orbit}}$$

Mercury	Venus	Earth	Mars
Saturn	Uranus	Neptune	Pluto
Jupiter			

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Instructions: In each box, use the data table to show how you would state how many degrees each planet moves in one day along its orbital path. Because you will be computer programming, you do not need to solve the problem, you just need to set it up.