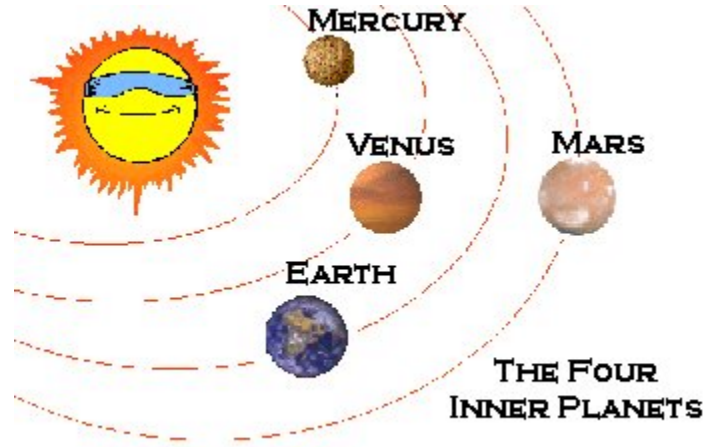


Name: _____

Inner Planet Math!



Choose the correct word to complete each sentence:

first	second	third	fourth
closest	farthest	middle	

1. Mars is the _____ planet from the sun.
2. Venus is the _____ planet from the sun.
3. The sun is in the _____ of the planets.
4. Mercury is the _____ planet to the sun.
5. Mercury is the _____ planet from the sun.
6. Earth is the _____ planet from the sun.
7. Mars is the inner planet that is _____ away from the sun.

Name: _____

Mercury Math

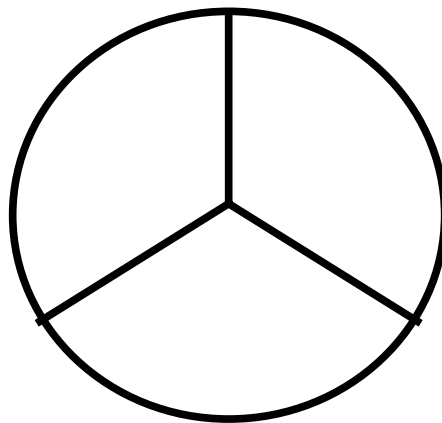
Directions: Solve the problems. Show your work.



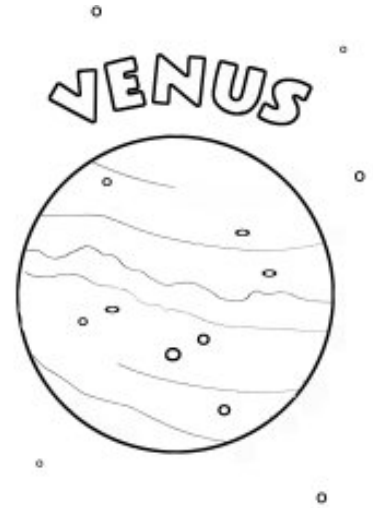
1. It takes Mercury **88 days** to **orbit**, or go around, the sun once. **How many days does it take Mercury to go around the sun twice?**

2. It takes **Earth 365 days** to orbit the sun one time. Mercury orbits the sun in **88 days**. **How many more days does it take Earth to orbit the sun than it takes Mercury?**

3. Mercury is only $\frac{1}{3}$ the size of Earth. Pretend Earth is the pie below. Color the pie to show how big Mercury is compared to Earth. Color the **Mercury part red**. Color the rest of the **Earth part green**.



Name: _____



Venus Math: How Many More?

Did you know? One day on Venus is longer than one year on Venus! It takes Venus 243 “Earth days” to completely spin around once. This means that one day on Venus is 243 “Earth days” long. It only takes Venus 225 days to orbit, or go around, the sun. This means that one Venus day is longer than one Venus year!

Directions: Solve the problems. Show your work:

1. A Venus day is 243 “Earth days” long. A Venus year is 225 “Earth days” long. **How many more “Earth days” long is one Venus day than one Venus year?**

2. It takes Earth **365 days** to orbit the sun. Venus orbits the sun in **225 days**. **How many more days does it take Earth to orbit the sun than it takes Venus to orbit the sun?**

3. Mercury orbits the sun in **88 days**. Venus orbits the sun in **225 days**. **How many more days does it take Venus to orbit the sun than it takes Mercury?**

Name: _____

Earth Math: Did You Know?

Earth orbits, or goes around, the sun. It takes the Earth 365 days to go around the sun once. One year on Earth is 365 days long. The Earth also spins around at the same time it orbits the sun. It takes Earth 24 hours to spin around one time. One day on Earth is 24 hours long.



Solve the problems. Show your work. You may use a calculator, but write out your work in the space below each problem.

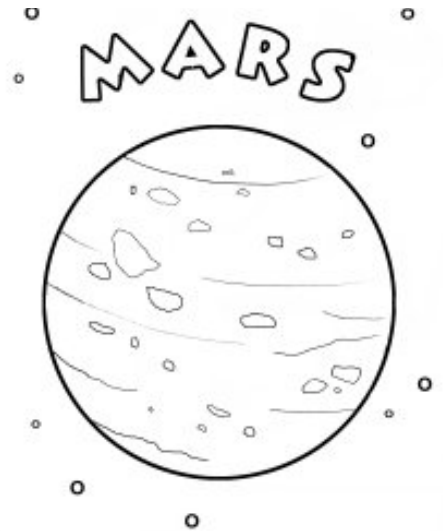
1. It takes Earth 365 days to go around the sun once. **How many days does it take the Earth to go around the sun twice?**

2. It takes the Earth 24 hours to spin around once. **How many hours does it take the Earth to spin around four times?**

3. You are in a space shuttle. It takes the shuttle 90 minutes to orbit Earth once. **How many minutes does it take the shuttle to go around the Earth three times?**

4. There are 365 days in a year. **About how many days old are you?**

Name: _____



Mars Math: How Many More?

Directions: Solve the problems. Show your work.

1. It takes Mars 687 days to orbit the sun once. It takes Earth 365 days to orbit the sun once. **How many more days does it take Mars to orbit the sun one time than it takes Earth?**

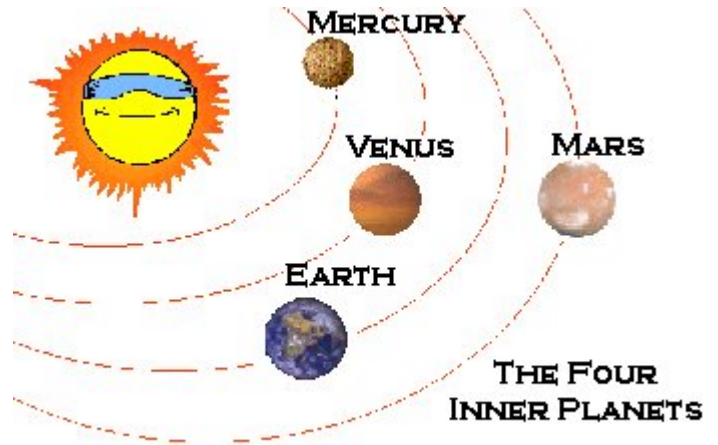
2. It takes Mercury 88 days to orbit the sun once. It takes Mars 687 days to orbit the sun once. **How many more days does it take Mars to orbit the sun than it takes Mercury?**

3. It takes Venus 225 days to orbit the sun one time. It takes Mars 687 days to orbit the sun one time. **How many more days does it take Mars to orbit the sun one time than it takes Venus?**

Name: _____

More Inner Planet Math

Put the planets **in order** from the one that takes the **least number of days** to orbit the sun, to the planet that takes **the greatest number of days** to orbit the sun.



Use the information from the Mars Math page to help you do this.

Venus, Earth, Mercury, Mars

1. _____
2. _____
3. _____
4. _____

5. Choose the two correct words from the box to complete the sentence below:

Closer, farther, longer, shorter

The _____ a planet is from the sun, the _____ it takes the planet to orbit the sun!

Answer Keys:

Page 1: Inner Planets Math

1. fourth
2. second
3. middle
4. closest
5. first
6. third
7. farthest

Page 2: Mercury Math

1. 176 days
2. 277 more days
3. Color 1 slice red for Mercury and two slices green for Earth

Page 3: Venus Math: How Many More?

1. 18 “Earth days” longer
2. 140 more days
3. 137 more days

Page 4: Earth Math

1. 730 days
2. 96 hours
3. 270 minutes
4. Answers will vary.

Pages 5 and 6: Mars Math

1. 322 more days
2. 599 more days
3. 462 more days
4. Mercury, Venus, Earth, Mars
5. The **farther** a planet is from the sun, the **longer** it takes the planet to orbit the sun.