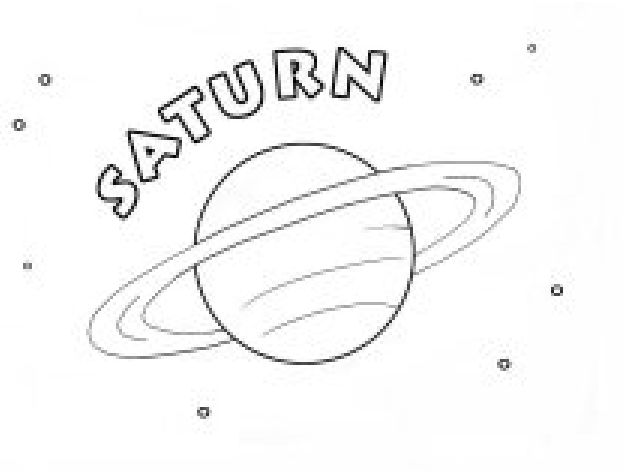
Name:_____



Outer Planet Math!

Directions: Use the reading sheets to help you choose the correct word to complete each sentence:

smallest	**largest**	**equal**	**fifth**
sixth	**seventh**	**eighth**	**farthest**

1. **Saturn is the _____ planet from the sun.**
2. **Neptune is the _____ planet from the sun.**
3. **Jupiter is the _____ planet from the sun.**
4. **Neptune is the _____ planet from the sun.**
5. **Uranus is the _____ planet from the sun.**
6. **Jupiter is the _____ planet in the solar system.**
7. **Mercury is the _____ planet in the solar system.**
8. **Neptune and Jupiter have days that are _____ in length.**

Name:_____

Jupiter Math

Directions: Solve the problems. Show your work.

1. It takes Jupiter **12 "Earth years"** to orbit, or go around, the sun once. **How many "Earth years" does it take Jupiter to orbit the sun three times**?

2. It takes **Saturn about 30 "Earth years"** to orbit the sun one time. Jupiter orbits the sun **in 12 "Earth years"**. **How many more "Earth years" does it take Saturn to orbit the sun than it takes Jupiter?**

3. It takes **ten hours for Jupiter to spin around one time**, so Jupiter's day is only ten hours long. **Earth's day is 24 hours long**. **How many hours longer is one Earth day than one Jupiter day**?

Name: _____

Saturn Math:

Directions: Solve the problems. Show your work:

1. In **1655**, Galileo saw that Saturn had lumps on its sides. He didn't know it, but he had discovered Saturn's rings! **It is now 2006. How many years ago did Galileo discover Saturn's rings?**

2. Saturn has **28 moons**. Jupiter has **17 moons. How many moons do Jupiter and Saturn have altogether?**

3. Saturn has **28 moons.** Uranus has **21 moons. How many more moons does Saturn have than Uranus?**

4. Saturn is **746 million miles** away from Earth. Jupiter is **365 million miles** away from Earth. How many more miles away from Earth is Saturn than Jupiter?

Name: _____

Uranus Math:

Solve the problems. Show your work

1. In **1781**, William Herschel discovered Uranus. **It is now 2006. How many years ago did William Herschel discover Uranus?**

2. It takes Uranus **17 hours** to spin around once. **How many hours does it take Uranus to spin around five times?**

3. It takes Uranus **84 "Earth years"** to orbit the sun once**. How many "Earth years" does it take Uranus to orbit the sun twice?**

4. Uranus has **21 moons.** Neptune has **eight moons. How many more moons does Uranus have than Neptune?**

Name:_____

Neptune Math:

Directions: Solve the problems. Show your work.

1. It takes Neptune **165 "Earth years"** to orbit the sun once. It takes Uranus **84 "Earth years"** to orbit the sun once. **How many more "Earth years" does it take Neptune to orbit the sun one time than it takes Uranus?**

2. All of the gas giants have many moons. Saturn has **28 moons**. Jupiter has **17 moons**. Uranus has **21 moons** and Neptune has **eight moons. How many moons do the gas giants have altogether?**

3. One day on Earth is **24 hours long**. One day on Neptune is **17 hours long. How many hours longer is one day on Earth than one day on Neptune?**

Name:_____

Number of Moons Belonging to Each Planet

Planet	Number of Moons
Mercury	**0**
Venus	**0**
Earth	**1**
Mars	**2**
Jupiter	**17**
Saturn	**28**
Uranus	**21**
Neptune	**8**

Directions: Use the chart to answer the questions below:

1. Which planet has the most moons? _____

2. Which planets have fewer than four moons?

_____

3. Which planet has six more moons than Mars?

_____

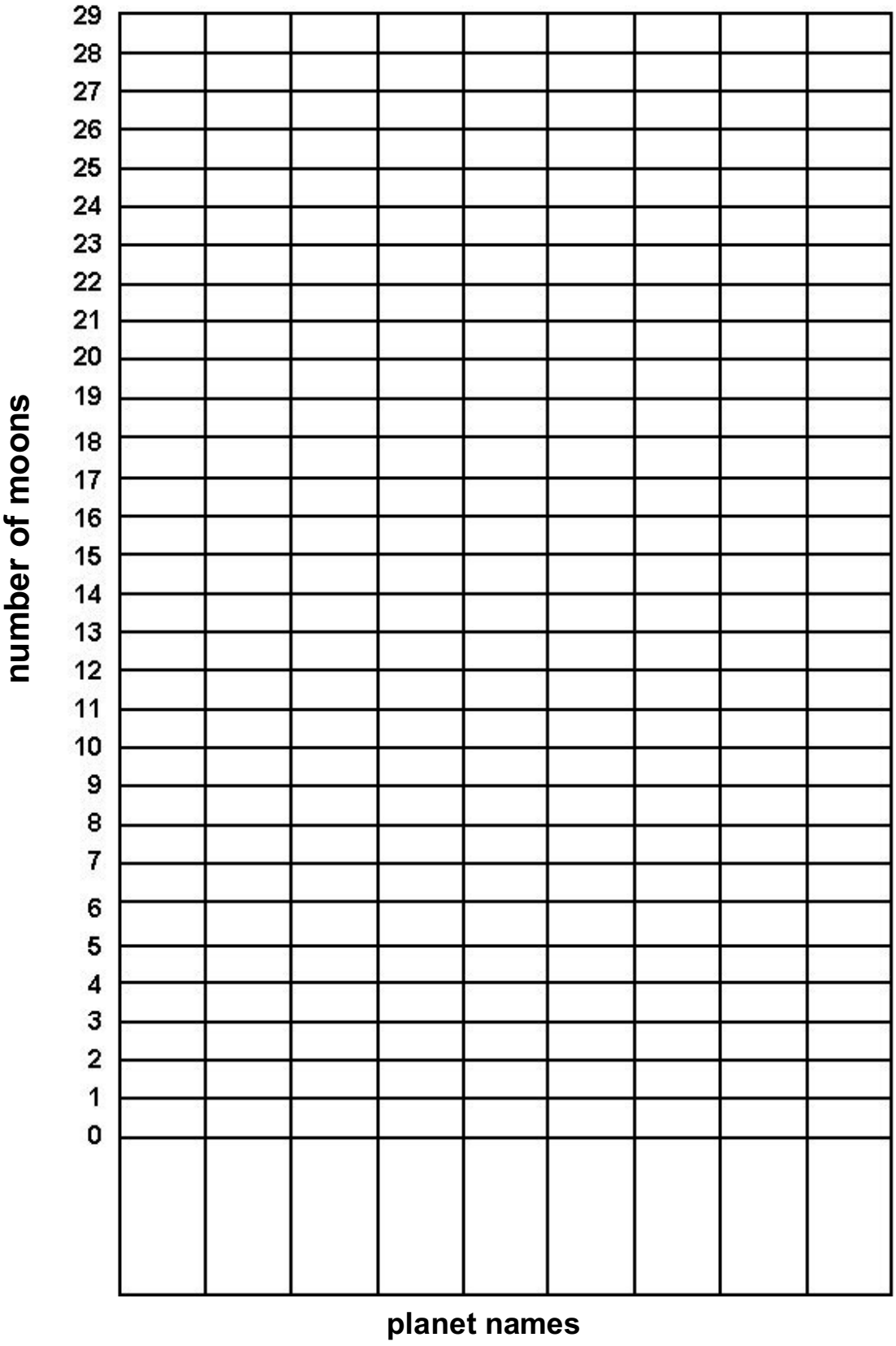
4. Which planet has four fewer moons than Uranus?

_____

5. Use the graph paper on the next page to make a graph showing the number of moons that each planet has.

Name:_____

Number of Moons Belonging to Each Planet



Name: _____

More Outer Planets Math

Directions: Fill in the correct number to complete each sentence about Earth:

24	**365**	**60**

1. There are _____ minutes in an hour.
2. There are _____ hours in one day.
3. There are _____ days in one year.

Directions: Use the symbols >, <, and = to complete each sentence:

4. 28 moons _____ 21 moons.
5. 8 moons _____ 17 moons.
6. 17 hours _____ 24 hours.
7. 10 hours _____ 17 hours.
8. 365 days _____ 288 days.
9. 248 years _____ 165 years.
10. 17 hours _____ 17 hours.

Answer Key:

Page 1: Outer Planets Math

1. sixth 2. ninth 3. fifth 4. eighth 5. seventh 6. largest 7. smallest 8. equal

Page 2: Jupiter Math

1. 36 “Earth years” 2. 18 “Earth years” 3. 14 hours longer

Page 3: Saturn Math

1. 351 years ago 2. 45 moons 3. 7 more moons 4. 381 million miles

Page 4: Uranus Math

1. 225 years ago 2. 85 hours 3. 168 “Earth years” 4. 13 moons

Page 5: Neptune Math

1. 81 “Earth years” 2. 74 moons 3. 7 hours longer

Pages 6-7: Number of Moons Belonging to Each Planet

1. Saturn
2. Mercury, Venus, Earth, Mars
3. Neptune
4. Jupiter
5. Check graph for accuracy.

Page 8: More Outer Planets Math:

1. 60
2. 24
3. 365
4. >
5. <
6. <
7. <
8. >
9. >
10. =