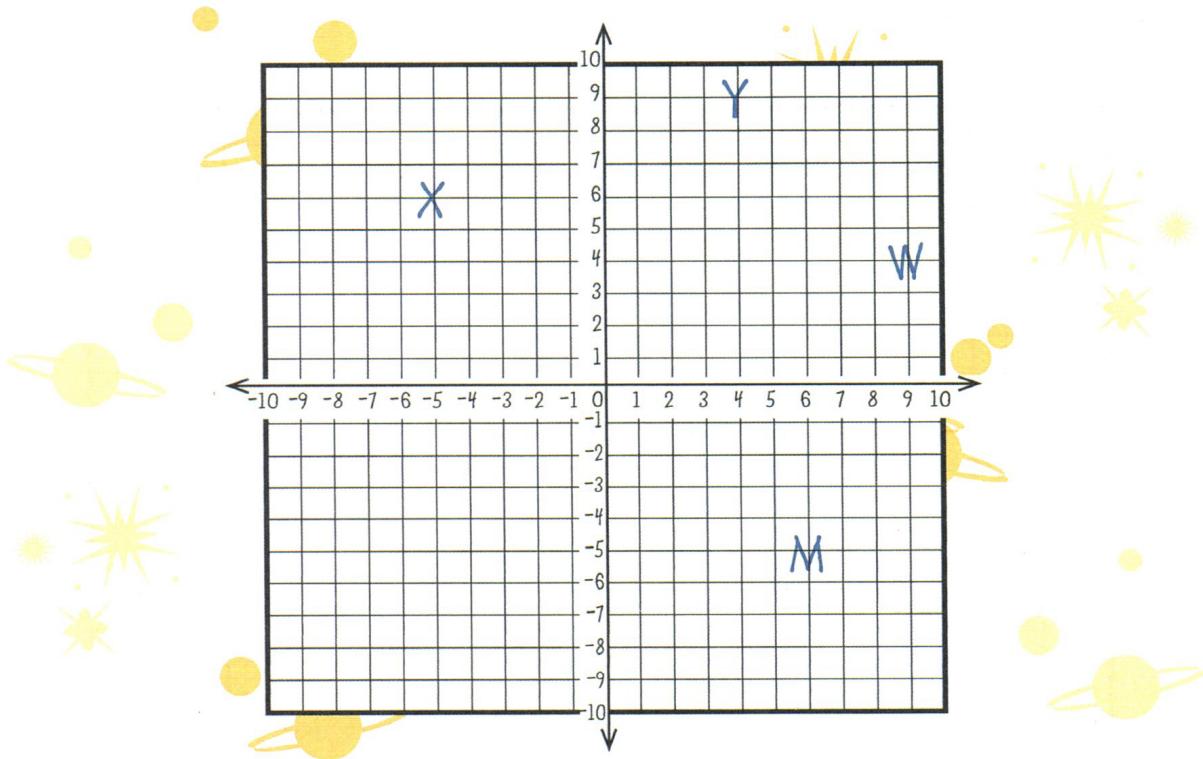


Space Map

Pictured here is a space map. Use the map to answer the questions below.



Skills:

Locating
and Plotting
Ordered
Pairs on a
Coordinate
Graph

- The X marks a planet. What is the ordered pair for that location? _____
- A comet is located at $(9, 4)$ and a star is located at $(4, 9)$. Which letter marks each location?
comet _____ star _____
- The M marks a moon. What is the ordered pair for that location? _____
- A spaceship is ready to take off from the intersection at $(-2, -4)$. It is heading to a black hole at the intersection of $(6, -8)$. Plot each location on the space map. Label the spaceship S and the black hole B.

Remember:

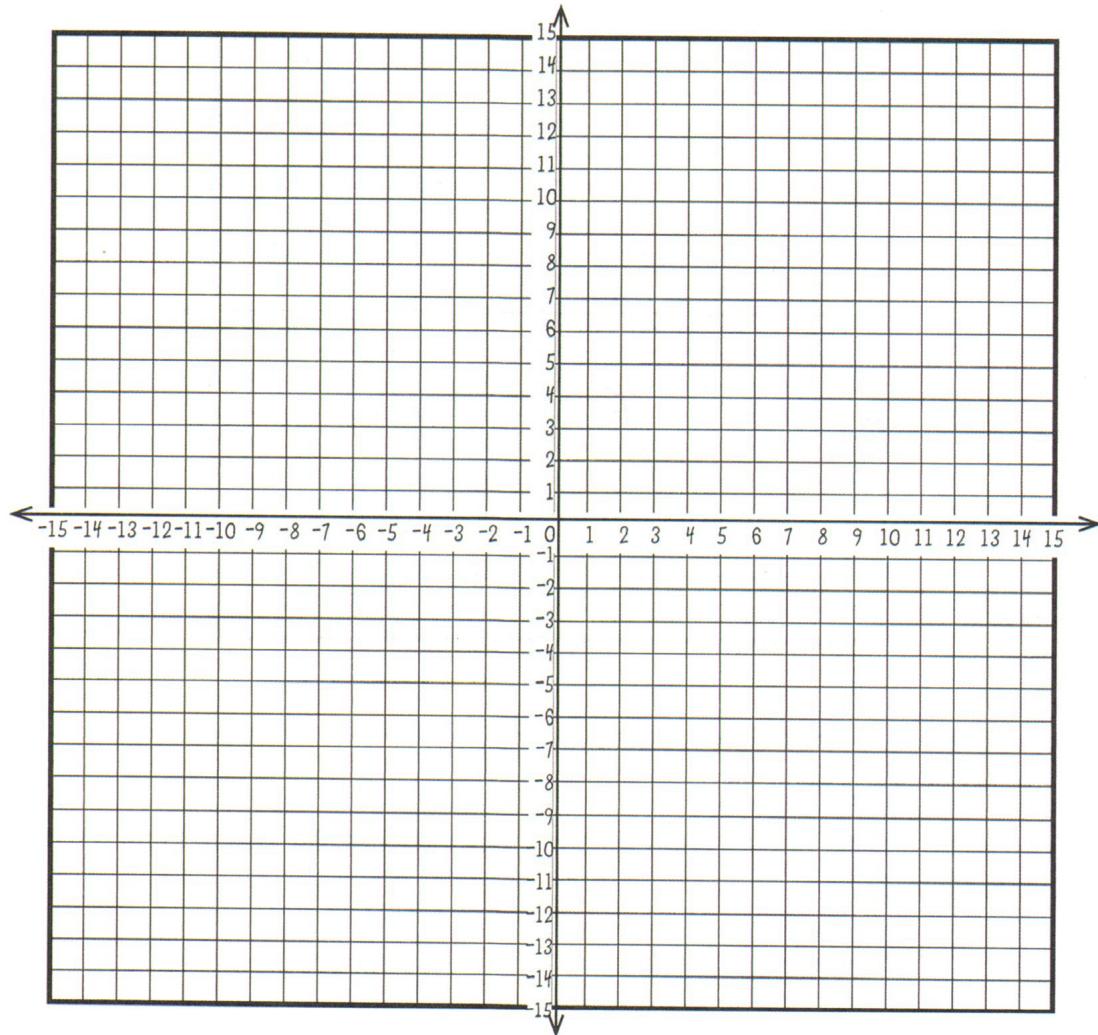
- Start at the 0.
- Move across (horizontally) first, and then up or down (vertically).
- $(4, 3)$ means move to the right 4 blocks and then move up 3 blocks.
- $(-6, -3)$ means move to the left 6 blocks, and then move down 3 blocks.

Skills:

Locating
and Plotting
Ordered
Pairs on a
Coordinate
Graph

Blast Off!

Plot the ordered pairs of numbers in the order in which they are listed. Connect them with straight lines. Start each new set of points with a new line.



- ▶ $(-5, -9)$ $(-8, -9)$ $(-8, -4)$ $(-5, 1)$ $(-5, 10)$ $(-1, 14)$ $(0, 14)$ $(4, 10)$ $(4, 1)$ $(7, -4)$
 $(7, -9)$ $(4, -9)$ line ends
- ▶ $(-5, 1)$ $(-5, -10)$ $(4, -10)$ $(4, 1)$ line ends
- ▶ $(-4, -10)$ $(-4, -14)$ line ends
- ▶ $(-3, -10)$ $(-3, -14)$ line ends
- ▶ $(-2, -10)$ $(-2, -14)$ line ends
- ▶ $(1, -10)$ $(1, -14)$ line ends
- ▶ $(2, -10)$ $(2, -14)$ line ends
- ▶ $(3, -10)$ $(3, -14)$ line ends
- ▶ $(1, 10)$ $(1, 7)$ $(3, 7)$ $(3, 10)$ line ends
- ▶ $(1, 1)$ $(3, 1)$ $(3, 3)$ $(1, 3)$ $(1, 5)$ $(3, 5)$ line ends
- ▶ $(1, -5)$ $(1, -3)$ $(2, -1)$ $(3, -3)$ $(3, -5)$ line ends
- ▶ $(1, -3)$ $(3, -3)$ line ends



Tongue Twister

Skills:

Dividing
Decimals

Complete each division problem below. Write the corresponding letter on the line above the correct answer. The letters will spell out a tongue twister. Try to say it fast five times.
Good luck!

- A $24.0 \div 40.0 =$ _____
A $7.2 \div 2.4 =$ _____
C $20.0 \div 50.0 =$ _____
C $0.1 \div 0.5 =$ _____
E $28.8 \div 6.0 =$ _____
E $0.96 \div 0.3 =$ _____
P $2.4 \div 2.0 =$ _____
R $1.26 \div 0.6 =$ _____
S $0.5 \div 0.2 =$ _____

— — — — —
2.5 1.2 3.0 0.4 4.8
— — — — —
2.1 0.6 0.2 3.2



Skills:Determining
Place Value
and Rounding
Numbers to
Millions

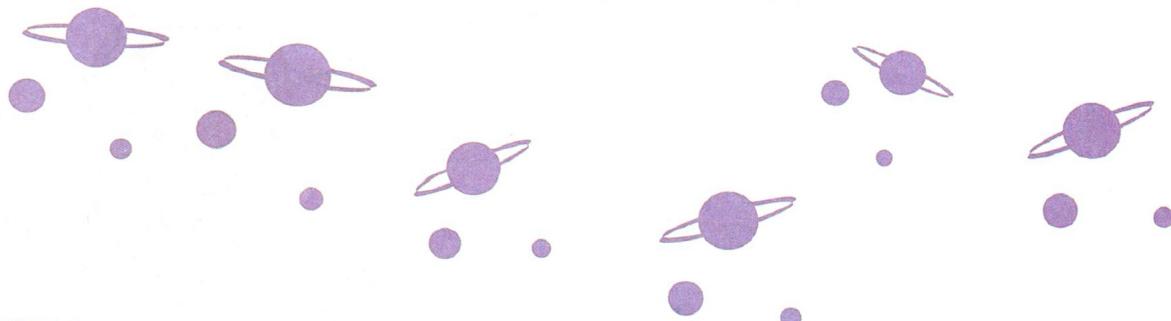
Vast Distances of Space

Distances in outer space are very large. Rounding the numbers can make them easier to read. Round each of these “vast” numbers to the requested place value.

1. 280 to the nearest hundred _____
2. 49,305 to the nearest thousand _____
3. 27,539 to the nearest ten _____
4. 184,390 to the nearest ten thousand _____
5. 286,952 to the nearest hundred thousand _____
6. 1,682,842 to the nearest hundred thousand _____
7. 5,930,206 to the nearest million _____
8. 7,502,401 to the nearest hundred thousand _____
9. 3,202,294 to the nearest million _____
10. 15,392,487 to the nearest million _____

Remember:

Round down from numbers under 5. (Use the same rule for numbers under 50, 500, 5,000, etc.) Round up from numbers 5 or greater. (Use the same rule for numbers 50 and above; 500 and above; 5,000 and above; etc.)



Make It Metric

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

Diameters of Planets

	Planet	Miles	Kilometers
1.	Mercury	3,031	
2.	Venus	7,521	
3.	Earth	7,926	
4.	Mars	4,222	
5.	Jupiter	88,729	
6.	Saturn	74,600	
7.	Uranus	32,600	
8.	Neptune	30,200	

Remember:

To change a distance from miles to kilometers,
multiply by 1.61.

$$100 \text{ miles} \times 1.61 = 161 \text{ kilometers}$$

Skills:

Converting
Customary
Measure to
Metric Measure

Outer Space

Skills:

Analyzing
Data Utilizing
Range, Mean,
Median, and
Mode

Compute My Data

Complete the following chart.

Set of Data	Range	Mean	Median	Mode
1. 15, 23, 23, 24, 26				
2. 1, 2, 4, 4, 4, 5, 8, 9				
3. 6, 6, 6, 6, 6, 6, 6,				
4. 21, 23, 25, 28, 32, 39				
5. 40, 45, 50, 55, 60, 65, 70				

Remember:

Check page 54 if you need help with this page.

