Name _____ Partner _____

Situational Data

Directions: One partner will roll the dice and create a graph based on what was rolled, using the data for #1. The other partner will choose and create a different graph with the same data. After #1, the roles will reverse. Remember to title and label each graph!
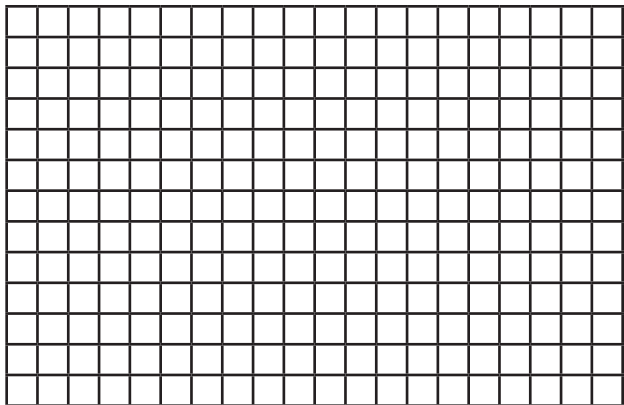
1. A scientist made the following observations:

Hour	Microorganisms
1	2
2	4
3	8
4	16
5	32
6	128
7	

How many microorganisms will there be in the 7th hour? Graph your prediction.
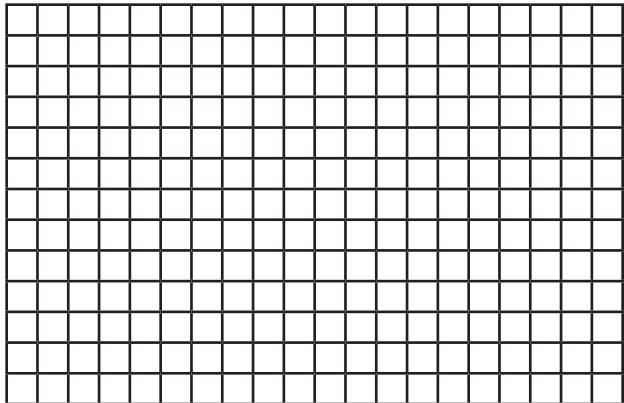
2. Results of the boys' high jump event at the track meet:

Participant	Height (feet & inches)
Jacob	4' 10"
Cole	4' 6"
Ben	3' 10"
Jeff	2' 10"
Kenny	4' 8"
Rico	4' 2"

3. Planet distances, in Astronomical Units (AU), from the Sun:

Planet	Distance (AU)
Mercury	0.4
Venus	0.7
Earth	1.0
Mars	1.5
Jupiter	5
Saturn	10
Uranus	20
Neptune	30
Pluto (minor planet)	39.5
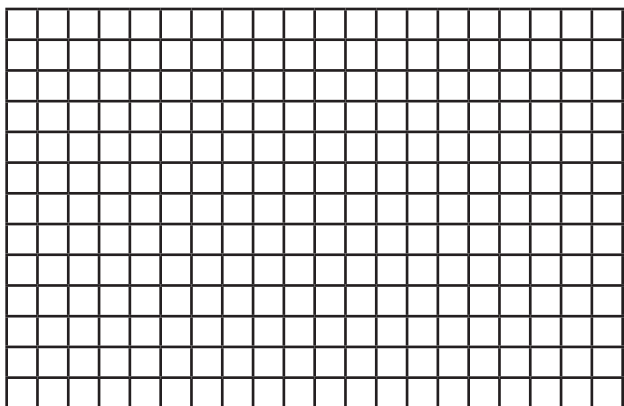
4. Growth of the Earth's human population:

Year (A.D.)	Number of People (in billions)
1650	.50
1750	.70
1850	1.0
1925	2.0
1956	2.5
1976	4.0
1991	5.5
2000	6.0
2004	6.4
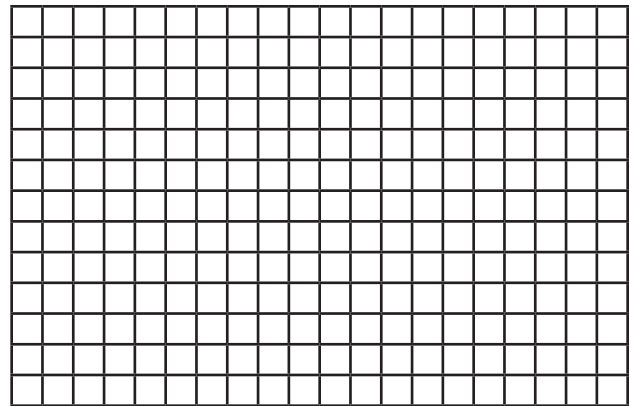
5. Major military and civilian casualties in World War II, by country:

Country	Casualties
USSR	21,300,000
China	11,324,000
Germany	7,060,000
Poland	6,850,000
Japan	2,000,000
Yugoslavia	1,706,000
Rumania	985,000
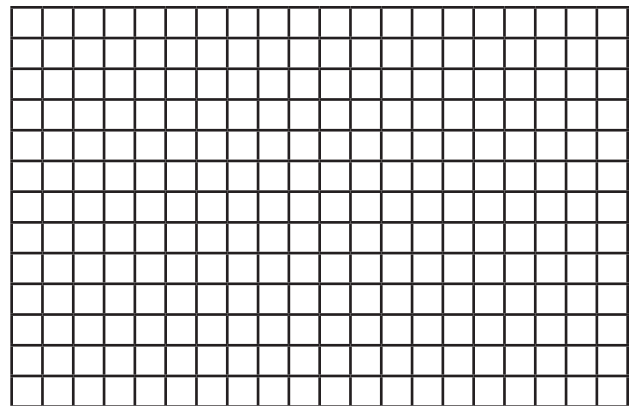
6. Countries with the largest population:

Country	Population
China	1,323,000,000
India	1,128,000,000
United States	303,000,000
Indonesia	231,000,000
Brazil	186,000,000
Pakistan	162,000,000
Bangladesh	158,000,000
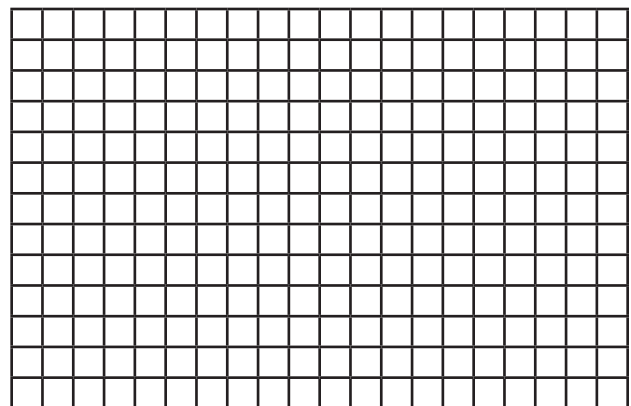
Reflection:

1. Which graph was most useful overall? _____

2. Which graph would be most effective for the data in #1 (time)? _____

3. Which graph do you have a hard time understanding? _____