

10/10

Name: Hamdi Haji

Solanum Virus Loose in East Lansing

3/1/12 BREAKING NEWS: Strange behavior at Michigan State University last week has been linked to a new virus, called *Solanum*, being researched in university labs. University officials are strongly advising that students remain in their homes and away from anyone who may be infected. Those who have been infected can be distinguished from others by a distinct red mark on their hands. Anyone with these red marks is infected.

Zombies must infect at least one other person per day in order to stay alive. It is expected that the virus will spread next to neighboring towns and cities.

Zombies Present in Local High Schools

3/5/12 BREAKING NEWS: Due to the high number of MSU Interns at J.W. Sexton High School, the local Big Reds have been quarantined in their classrooms to decrease the chance of *Solanum* spreading to the rest of Lansing. Students in math classes may be at a higher risk, since the virus has been extremely active amongst math teachers at MSU. Classes that should be extremely cautious are Ms. O’Rielly’s 1st and 6th hour classes, as well as Ms. Krueger’s 3rd and 4th hour.

TRACKING THE DISEASE

Fill in the table depending on the number of students infected each day by *Solanum* in Ms. O’Rielly’s class.

Fill in the table depending on the number of students infected each day by *Solanum* in both Ms. O’Rielly’s and Ms. Krueger’s class.

Days	# of People Infected
Day 1	1
Day 2	2
Day 3	4
Day 4	8
Day 5	16
Day 6	32
Day 7	64
Day 8	128
Day 9	256
Day 10	512

Days	# of People Infected
Day 1	2
Day 2	4
Day 3	8
Day 4	16
Day 5	32
Day 6	64
Day 7	128
Day 8	256
Day 9	512
Day 10	1024

Once you have filled in the table, graph the data

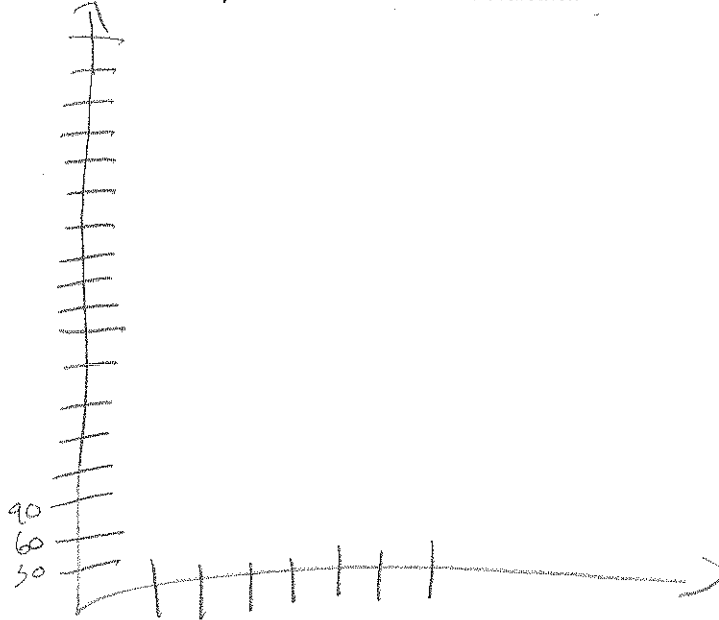
Name: Hamdi Hazi

1. If Ms. O'Reilly and Ms. Krueger have 128 Algebra I students, how many days until they are all infected?

7 days

2. There are currently 7 MSU interns at Sexton today. Make a table and graph that will help us to figure out how many days until all of Sexton is infected, if all 7 interns have Solanum.

Days	# of People Infected
1	7
2	14
3	28
4	56
5	112
6	224
7	448



3. Do Zombie Attacks appear to be linear or exponential? Why?

The zombie attacks appear to be linear.

4. What patterns did you see when filling in the tables, drawing the graphs, and writing equations?

The y multiplies by 2

9/10

Name: Erason Ruff

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Day 6	64
Day 7	128
Day 8	256
Day 9	512
Day 10	1,024

Once you have filled in the table, graph the data

Name: _____

1. If Ms. O'Rielly and Ms. Krueger have 128 Algebra I students, how many days until they are all infected?

Seven days.

2. There are currently 7 MSU interns at Sexton today. Make a table and graph that will help us to figure out how many days until all of Sexton is infected, if all 7 interns have Solanum.

Days	# of People Infected
1	7
2	14
3	28
4	56
5	112
6	224
7	448

3. Do Zombie Attacks appear to be linear or exponential? Why?

exponential

4. What patterns did you see when filling in the tables, drawing the graphs, and writing equations?

everything multiplies by 2.

10/10

Name: Dexter Allen

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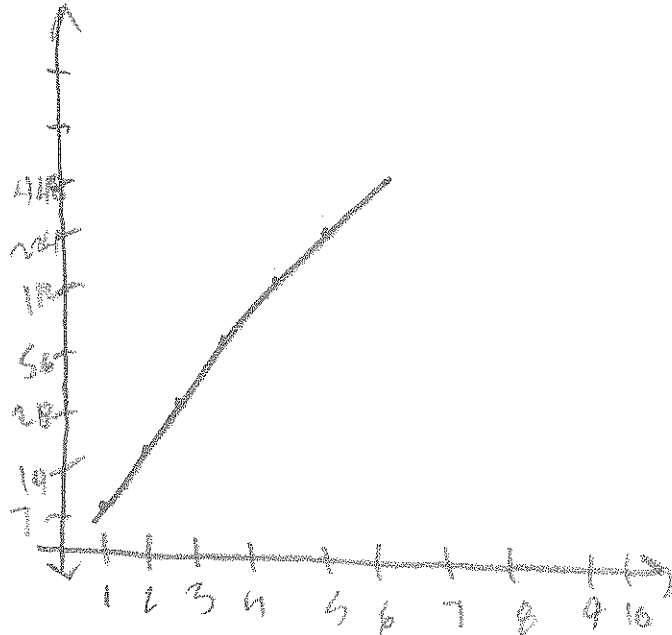
Name: _____

1. If Ms. O'Rielly and Ms. Krueger have 128 Algebra I students, how many days until they are all infected?

7 days until they are all infected.

2. There are currently 7 MSU interns at Sexton today. Make a table and graph that will help us to figure out how many days until all of Sexton is infected, if all 7 interns have Solanum.

Days	# of People Infected
1	7
2	14
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7	448



3. Do Zombie Attacks appear to be linear or exponential? Why?

linear because it just multiplies by 2.

4. What patterns did you see when filling in the tables, drawing the graphs, and writing equations?

The y number was multiplying by 2.

10/10

Name: Courtney S

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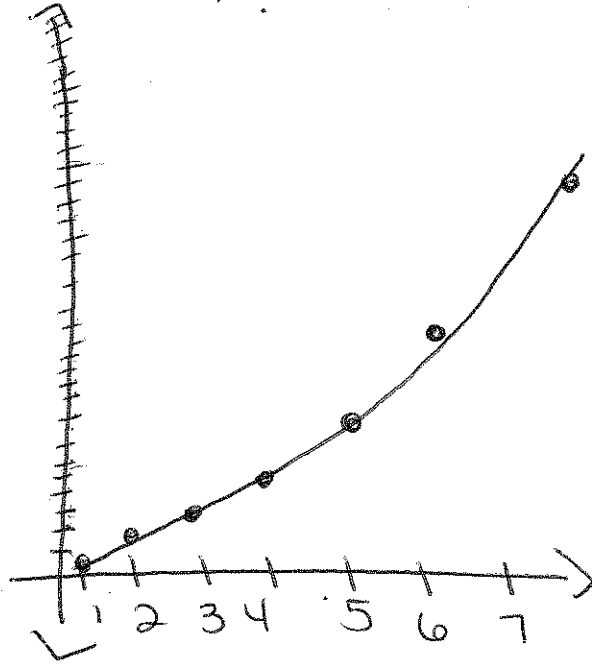
Name: Courtney S.

1. If Ms. O'Rielly and Ms. Krueger have 128 Algebra I students, how many days until they are all infected?

64 days.

2. There are currently 7 MSU interns at Sexton today. Make a table and graph that will help us to figure out how many days until all of Sexton is infected, if all 7 interns have Solanum.

Days	# of People Infected
1	7
2	14
3	28
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7	448



3. Do Zombie Attacks appear to be linear or exponential? Why?

exponential, because they're all multiplied.

4. What patterns did you see when filling in the tables, drawing the graphs, and writing equations?

They were all multi. & the graphs curved.

10/10

Name: Brianne Mansfield

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Once you have filled in the table, graph the data

Name: Brianna ^{1st}
Mansfield ^{59th}

1. If Ms. O'Rielly and Ms. Krueger have 128 Algebra I students, how many days until they are all infected?

7 days

2. There are currently 7 MSU interns at Sexton today. Make a table and graph that will help us to figure out how many days until all of Sexton is infected, if all 7 interns have Solanum.

Days	# of People Infected
1	7
2	49
3	98
4	1060
5	210
6	404
7	848

3 in a half days.

14
28

3. Do Zombie Attacks appear to be linear or exponential? Why?

EXponential cause it
*s the number. that it is by.

4. What patterns did you see when filling in the tables, drawing the graphs, and writing equations?

that it is all the same.
and all it is double.

10/10

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Day 6	64
Day 7	
Day 8	
Day 9	
Day 10	

Once you have filled in the table, graph the data

Name: Tyson Ward

1. If Ms. O'Rielly and Ms. Krueger have 128 Algebra I students, how many days until they are all infected?

7 days

2. There are currently 7 MSU interns at Sexton today. Make a table and graph that will help us to figure out how many days until all of Sexton is infected, if all 7 interns have Solanum.

Days	# of People Infected
1	7
2	49
3	343
4	2401
5	16807
6	117649
7	823543

3 in a half days

3. Do Zombie Attacks appear to be linear or exponential? Why?

exponential cause it * 5 the number that it is by

4. What patterns did you see when filling in the tables, drawing the graphs, and writing equations?

That it is all the same and all it is double

10/10

Name: Breonna Rogers

5/9/12

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Day 6	64
Day 7	128
Day 8	256
Day 9	512
Day 10	1,024

Once you have filled in the table, graph the data

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7 days

2. There are currently 7 MSU interns at Sexton today. Make a table and graph that will help us to figure out how many days until all of Sexton is infected, if all 7 interns have Solanum.

Days	# of People Infected
1	7
2	49
3	343
4	2401
5	16807
6	117649
7	823543

3 in a half days.

3. Do Zombie Attacks appear to be linear or exponential? Why?

exponential cause it
~~x~~'s the number that ^{it} is by.

4. What patterns did you see when filling in the tables, drawing the graphs, and writing equations?

that it's all the same
 a all it is double.

8/10

Name: Ashley yates

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Days	# of People Infected
1	
Day 1	1
Day 2	2
Day 3	4
Day 4	8
Day 5	16
Day 6	32
Day 7	64
Day 8	128
Day 9	256
Day 10	512

Days	# of People Infected
2	
Day 1	2
Day 2	4
Day 3	8
Day 4	16
Day 5	32
Day 6	64
Day 7	128
Day 8	256
Day 9	512
Day 10	1024

Once you have filled in the table, graph the data

Name: Ashley Yates

1. If Ms. O'Reilly and Ms. Krueger have 128 Algebra I students, how many days until they are all infected?

Day 1 2 Days 32
Day 2 4 Days 64
Day 3 8 Days 128
Day 4 16

2. There are currently 7 MSU interns at Sexton today. Make a table and graph that will help us to figure out how many days until all of Sexton is infected, if all 7 interns have Solanum.

8 Days Total

Days	# of People Infected
1	7
2	14
3	28
4	56
5	112
6	224
7	448
8	896

3. Do Zombie Attacks appear to be linear or exponential? Why?

4. What patterns did you see when filling in the tables, drawing the graphs, and writing equations?

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Name: Nate Evans

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Day 7	128
Day 8	256
Day 9	512
Day 10	1,024

Once you have filled in the table, graph the data

Name: _____

1. If Ms. O'Rielly and Ms. Krueger have 128 Algebra I students, how many days until they are all infected?

7 days

2. There are currently 7 MSU interns at Sexton today. Make a table and graph that will help us to figure out how many days until all of Sexton is infected, if all 7 interns have Solanum.

7 days

Days	# of People Infected
1	7
2	14
3	28
4	56
5	112
6	224
7	448

3. Do Zombie Attacks appear to be linear or exponential? Why?

exponential because it skyrockets, it doesn't increase by the same number every time

4. What patterns did you see when filling in the tables, drawing the graphs, and writing equations?

They all increase

10/10

Name: Shelby Erickson

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Day 10	1024

Once you have filled in the table, graph the data

one doubles

The other does two

Name: Shelby Erickson

1. If Ms. O'Rielly and Ms. Krueger have 128 Algebra I students, how many days until they are all infected?

8 days for Ms O'Rielly and 7 days until Ms Kruegers are all infected

2. There are currently 7 MSU interns at Sexton today. Make a table and graph that will help us to figure out how many days until all of Sexton is infected, if all 7 interns have Solanum.

Days	# of People Infected
1	7
2	14
3	
4	
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7	

Days	# of People Infected
1 day	7
2 day	14 14
3 day	21 28
4 day	56
5 day	112
6 day	224
7 day	448
8 day	896

3. Do Zombie Attacks appear to be linear or exponential? Why?

Not sure

4. What patterns did you see when filling in the tables, drawing the graphs, and writing equations?

the numbers get higher

10/10

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Day 9	512
Day 10	1,024

Once you have filled in the table, graph the data

Name: Stacey G.

1. If Ms. O'Rielly and Ms. Krueger have 128 Algebra I students, how many days until they are all infected?

7 Days

2. There are currently 7 MSU interns at Sexton today. Make a table and graph that will help us to figure out how many days until all of Sexton is infected, if all 7 interns have Solanum.

Days	# of People Infected
1	7
2	14
3	28
4	56
5	112
6	224
7	448

3. Do Zombie Attacks appear to be linear or exponential? Why?

exponential because every day doubles the numbers of zombies

4. What patterns did you see when filling in the tables, drawing the graphs, and writing equations?

Everyday doubled the amount you started off with

10/10

Name: M. Z. Macleod

Solanum Virus Loose in East Lansing

3/1/12 BREAKING NEWS: Strange behavior at Michigan State University last week has been linked to a new virus, called *Solanum*, being researched in university labs. University officials are strongly advising that students remain in their homes and away from anyone who may be infected. Those who have been infected can be distinguished from others by a distinct red mark on their hands. Anyone with these red marks is infected.

Zombies must infect at least one other person per day in order to stay alive. It is expected that the virus will spread next to neighboring towns and cities.

Zombies Present in Local High Schools

3/5/12 BREAKING NEWS: Due to the high number of MSU Interns at J.W. Sexton High School, the local Big Reds have been quarantined in their classrooms to decrease the chance of *Solanum* spreading to the rest of Lansing. Students in math classes may be at a higher risk, since the virus has been extremely active amongst math teachers at MSU. Classes that should be extremely cautious are Ms. O’Rielly’s 1st and 6th hour classes, as well as Ms. Krueger’s 3rd and 4th hour.

TRACKING THE DISEASE

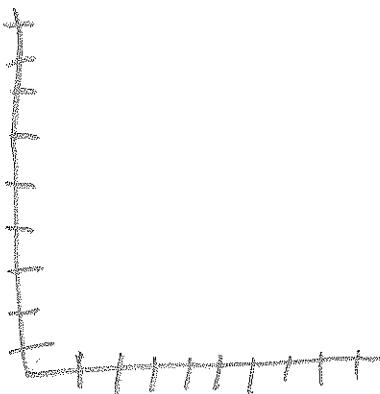
Fill in the table depending on the number of students infected each day by *Solanum* in Ms. O’Rielly’s class.

Fill in the table depending on the number of students infected each day by *Solanum* in both Ms. O’Rielly’s and Ms. Krueger’s class.

Days	# of People Infected
Day 1	1
Day 2	2
Day 3	4
Day 4	8
Day 5	16
Day 6	32
Day 7	64
Day 8	128
Day 9	256
Day 10	512

Days	# of People Infected
Day 1	2
Day 2	4
Day 3	8
Day 4	16
Day 5	32
Day 6	64
Day 7	128
Day 8	256
Day 9	512
Day 10	1024

Once you have filled in the table, graph the data



Name: _____

1. If Ms. O'Rielly and Ms. Krueger have 128 Algebra I students, how many days until they are all infected?

7 Days until 100% infection

2. There are currently 7 MSU interns at Sexton today. Make a table and graph that will help us to figure out how many days until all of Sexton is infected, if all 7 interns have Solanum.

Days	# of People Infected
1	7
2	49
3	343
4	2401
5	16807
6	117649
7	823543

about $3\frac{1}{2}$ days
until everyone is
infected

3. Do Zombie Attacks appear to be linear or exponential? Why?

exponential, because it multiplies instead of adds

4. What patterns did you see when filling in the tables, drawing the graphs, and writing equations?

It continues to multiply itself
by the first number in the
Y column.

10/10

Name: Eboni Edmond

3/9/12 1st

Solanum Virus Loose in East Lansing

3/1/12 BREAKING NEWS: Strange behavior at Michigan State University last week has been linked to a new virus, called *Solanum*, being researched in university labs. University officials are strongly advising that students remain in their homes and away from anyone who may be infected. Those who have been infected can be distinguished from others by a distinct red mark on their hands. Anyone with these red marks is infected.

Zombies must infect at least one other person per day in order to stay alive. It is expected that the virus will spread next to neighboring towns and cities.

Zombies Present in Local High Schools

3/5/12 BREAKING NEWS: Due to the high number of MSU interns at J.W. Sexton High School, the local Big Reds have been quarantined in their classrooms to decrease the chance of *Solanum* spreading to the rest of Lansing. Students in math classes may be at a higher risk, since the virus has been extremely active amongst math teachers at MSU. Classes that should be extremely cautious are Ms. O’Rielly’s 1st and 6th hour classes, as well as Ms. Krueger’s 3rd and 4th hour.

TRACKING THE DISEASE

Fill in the table depending on the number of students infected each day by *Solanum* in Ms. O’Rielly’s class.

Fill in the table depending on the number of students infected each day by *Solanum* in both Ms. O’Rielly’s and Ms. Krueger’s class.

Days	# of People Infected
Day 1	1
Day 2	2
Day 3	4
Day 4	8
Day 5	16
Day 6	32
Day 7	64
Day 8	128
Day 9	256
Day 10	512

Days	# of People Infected
Day 1	2
Day 2	4
Day 3	8
Day 4	16
Day 5	32
Day 6	64
Day 7	128
Day 8	256
Day 9	512
Day 10	1,024

Once you have filled in the table, graph the data

3/9/12 IR

Name: Eboni Edmond

1. If Ms. O'Rielly and Ms. Krueger have 128 Algebra I students, how many days until they are all infected?
2. There are currently 7 MSU interns at Sexton today. Make a table and graph that will help us to figure out how many days until all of Sexton is infected, if all 7 interns have Solanum.

3 in a half days

Days	# of People Infected
1	7
2	49
3	98
4	104
5	212
6	424
7	848

3. Do Zombie Attacks appear to be linear or exponential? Why?

exponential cause it
~~has~~ the number that is by,

4. What patterns did you see when filling in the tables, drawing the graphs, and writing equations?

that it is all the same all it is double

10/10

Name: Alex. Gomez ^{3/9/12} 15th hour

Solanum Virus Loose in East Lansing

3/1/12 BREAKING NEWS: Strange behavior at Michigan State University last week has been linked to a new virus, called *Solanum*, being researched in university labs. University officials are strongly advising that students remain in their homes and away from anyone who may be infected. Those who have been infected can be distinguished from others by a distinct red mark on their hands. Anyone with these red marks is infected.

Zombies must infect at least one other person per day in order to stay alive. It is expected that the virus will spread next to neighboring towns and cities.

Zombies Present in Local High Schools

3/5/12 BREAKING NEWS: Due to the high number of MSU Interns at J.W. Sexton High School, the local Big Reds have been quarantined in their classrooms to decrease the chance of *Solanum* spreading to the rest of Lansing. Students in math classes may be at a higher risk, since the virus has been extremely active amongst math teachers at MSU. Classes that should be extremely cautious are Ms. O'Rielly's 1st and 6th hour classes, as well as Ms. Krueger's 3rd and 4th hour.

TRACKING THE DISEASE

Fill in the table depending on the number of students infected each day by *Solanum* in Ms. O'Rielly's class.

Fill in the table depending on the number of students infected each day by *Solanum* in both Ms. O'Rielly's and Ms. Krueger's class.

Days	# of People Infected
Day 1	1
Day 2	2
Day 3	4
Day 4	8
Day 5	16
Day 6	32
Day 7	64
Day 8	128
Day 9	256
Day 10	512

Days	# of People Infected
Day 1	2
Day 2	4
Day 3	8
Day 4	16
Day 5	32
Day 6	64
Day 7	128
Day 8	256
Day 9	512
Day 10	1024

Once you have filled in the table, graph the data

Name: _____

1. If Ms. O'Rielly and Ms. Krueger have 128 Algebra I students, how many days until they are all infected?

It will take 7 days for all of them to get infected.

2. There are currently 7 MSU interns at Sexton today. Make a table and graph that will help us to figure out how many days until all of Sexton is infected, if all 7 interns have Solanum.

Days	# of People Infected
1	7
2	14
3	28
4	56
5	112
6	224
7	448

3. Do Zombie Attacks appear to be linear or exponential? Why?

Exponential, Because they multiply by two and not itself.

4. What patterns did you see when filling in the tables, drawing the graphs, and writing equations?

The pattern I see is that they multiply by 2 and 2.