In Math Quest 1, students learn how to answer these types of questions:

71 – (-35) =

-x + x =

Solve for x:

x – 1 = 6

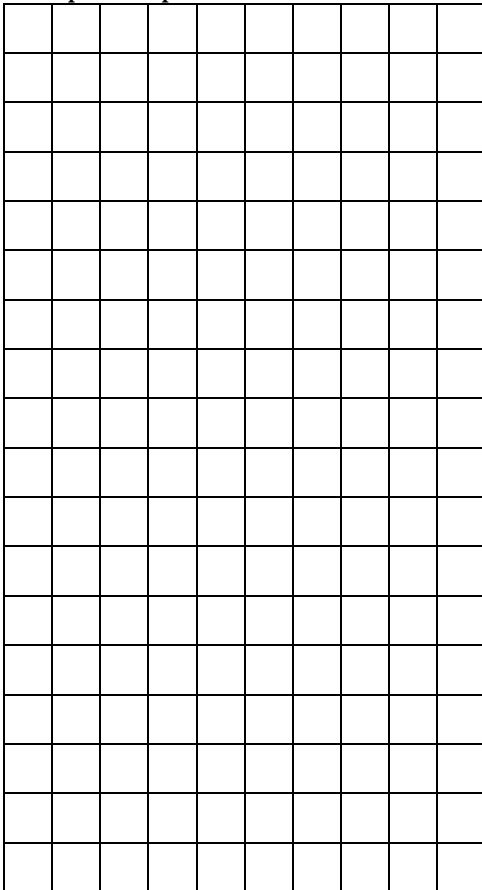**In Math Quest 2, students learn how to answer these types of questions:**

Find the next two steps in this pattern: 1, 4, 7, 10, _____, _____

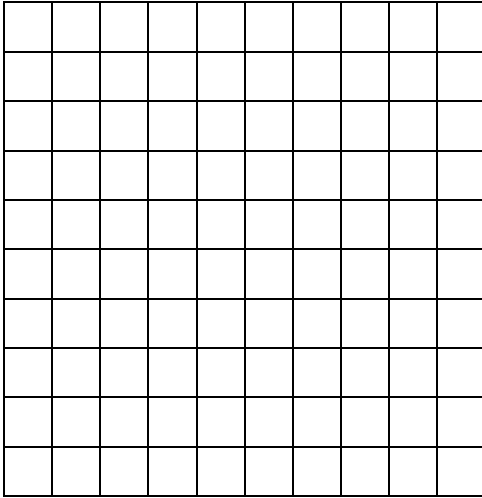-4   2 =

Write an equation for the number of toys at "step n":

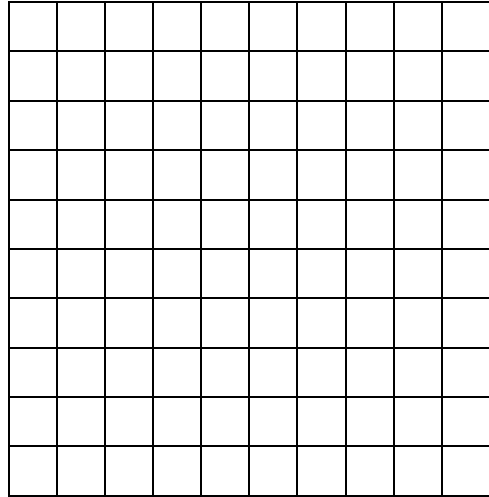| Step number	Toys
1	1
2	5
3	9
4	13
5	17
...	...
n	

Graph the points in the table above:

In Math Quest 3, students learn how to answer these types of questions:

Graph this equation: $y = -2x + 3$ Graph this equation: $x + y = 4$

Find the hypotenuse and area of triangles with these legs:

Legs: 5 in, 12 in Hypotenuse: Area:

Legs: 9 cm, 12 cm Hypotenuse: Area:

In Math Quest 4, students learn how to answer these types of questions:

Jim has 4 different shirts (purple, yellow, red, and green), 2 pairs of pants (grey and blue), and 3 pairs of shoes (blue, red, and black). How many different outfits could Jim make?

What is the probability of drawing an ace in a standard deck of cards?

What is the probability of drawing a red ace in a standard deck of cards?

Michelle and Genesis are playing a game with two dice. If the sum of the two dice is 2, 3, 4, 5, or 6, Michelle gets 1 point. If the sum of the two dice is 7, 8, 9, 10, or 11, then Genesis gets 1 point. Is this game fair? Why or why not?

In math Quest 5, students learn how to answer these types of questions:

- Mathematical logic puzzles
- Combinatorics problems
- Number sense
- Advanced problem-solving techniques

Please check your student's answers to select the appropriate level:

Level 1: Suggested for students currently in grades 3-4.

71 – (-35) =   106

-x + x =   0

Solve for x: x – 1 = 6   x = 7

Level 2: Suggested for students currently in grades 4-5.

Find the next two steps in this pattern: 1, 4, 7, 10, _____ , _____   13, 16

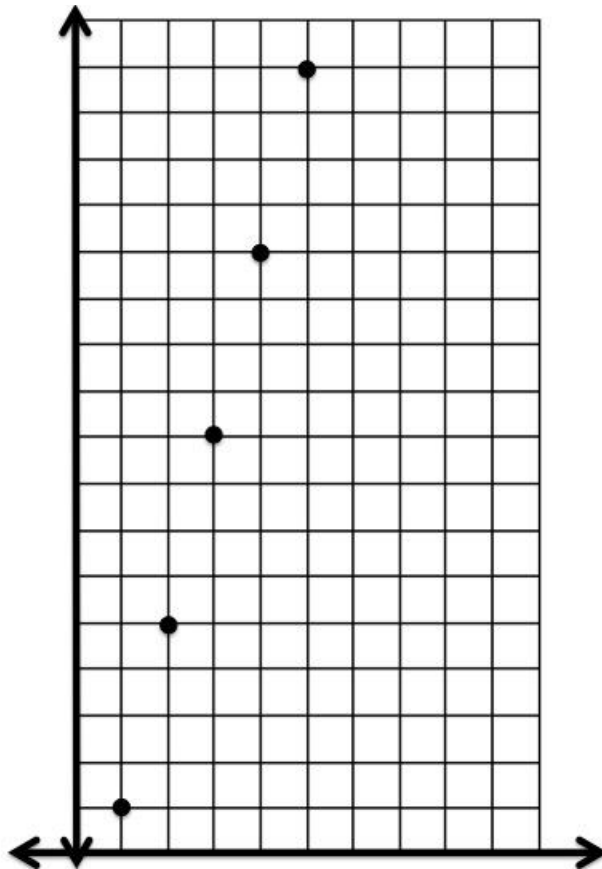-4   2 =   -8

Write an equation for the number of toys at "step n":   4n - 3
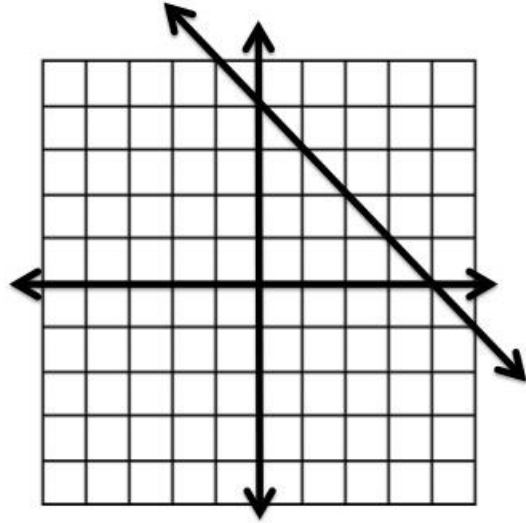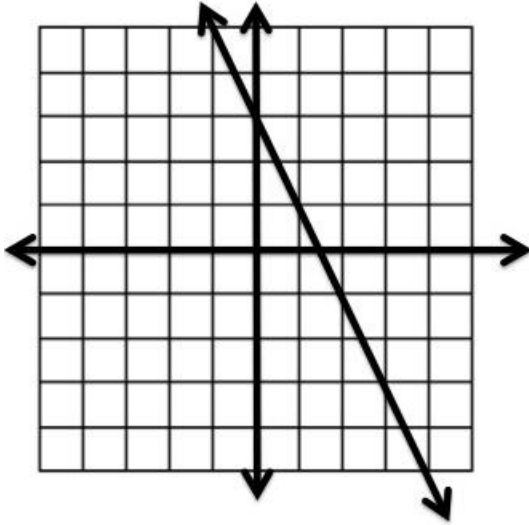
Graph the points in the table above:

Level 3: Suggested for students currently in grades 5-6.
Graph this equation: $y = -2x + 3$ Graph this equation: $x + y = 4$

Find the hypotenuse and area of triangles with these legs:
Legs: 5 in, 12 in   Hypotenuse: 13 in   Area: 30 sq. in
Legs: 9 cm, 12 cm   Hypotenuse: 15 cm   Area: 54 sq. cm

Level 4: Suggested for students currently in grades 6-8.
How many different outfits could Jim make?   24
What is the probability of drawing an ace in a standard deck of cards?   1/13
What is the probability of drawing a red ace in a standard deck of cards?   1/26
Is this game fair? Why or why not?
                  No.   Michelle will get a point 5/12 of the time.
                          Genesis will get a point 7/12

Level 5: Suggested for students currently in grades 6-8.

Please select the level that your student is ready for. Keep in mind that math is a subject that builds on itself and a strong foundation is important.