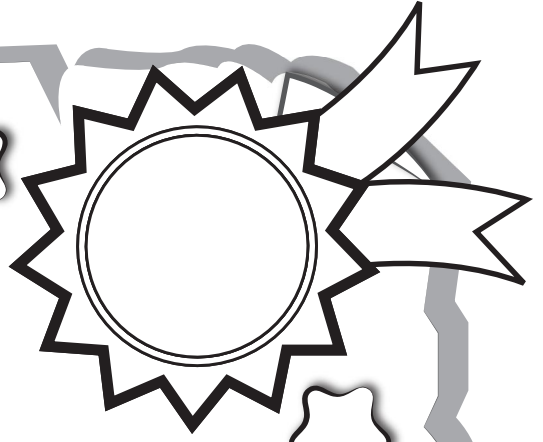


Great job!

_____ is an Education.com math superstar



Answer Sheets

Algebra Adventures

Where are They? Tell the Position
Introduction to Integers
Plot a Dot, Draw a Line, What Do You Find?
Finding Factors
Least Common Multiple: Easy
Prime Numbers
Find the Missing Operation
Factor Tree
Collision Coordinates
Greatest Common Factor: Easy
Solve the Word Problems
Run Errands Efficiently: Practice Coordinates
Skill Practice: Finding the GCF
Prime Factorization
Time Capsules: Practice Coordinates
My Lunch Box: Practice Coordinates
Air Show: Practice Coordinates
Least Common Multiple: Hard
Greatest Common Factor: Hard

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Answer Sheet

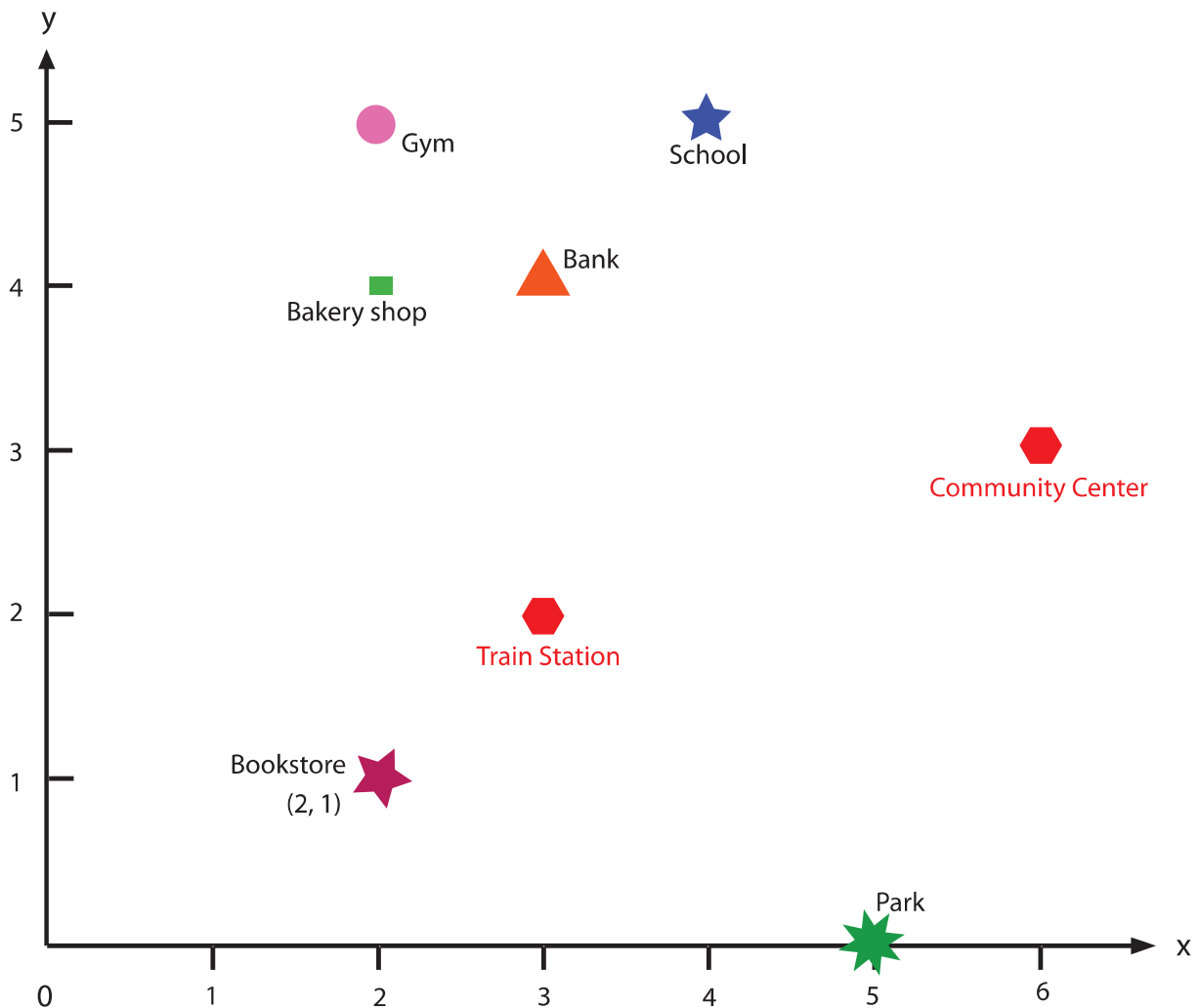
Answer Sheet

Where are they?: Tell the position

Your friend is new in town. Tell her positions of a store, bank, and school using X and Y Coordination. Write the coordinates of each place next to the position (look at the example).

Then, answer questions below.

Review: The first number refers to X coordinate. The second number refers to Y coordinate.



What is the x-coordinate of the school? 4

What is the y-coordinate of the park? 0

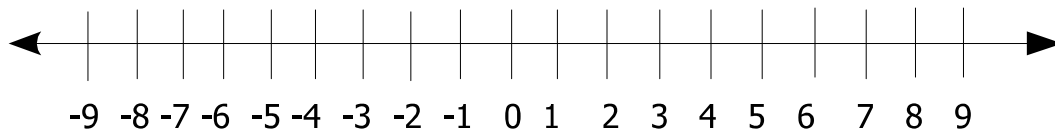
Mark on a grid a position of a train station which is (3, 2).

Mark on a grid a position of a community center which is (6, 3).

Answer Sheet

Introduction to Integers (answer sheet)

Fill in the missing numbers to complete the number line.



Fill in the blanks with neutral, positive or negative.

Zero is a NEUTRAL integer.

A whole number less than zero is a NEGATIVE integer.

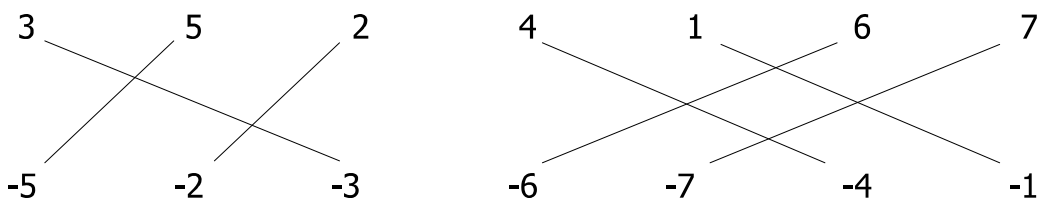
A whole number greater than zero is a POSITIVE integer.

Whole numbers that are POSITIVE integers can be written with or without a sign.

Circle the integers.

-4 $\frac{1}{2}$ **3** **-2** **0** $\frac{3}{4}$ **+6** **8** **-7** $\frac{1}{4}$ **1** **+9**

Match the opposite integers.



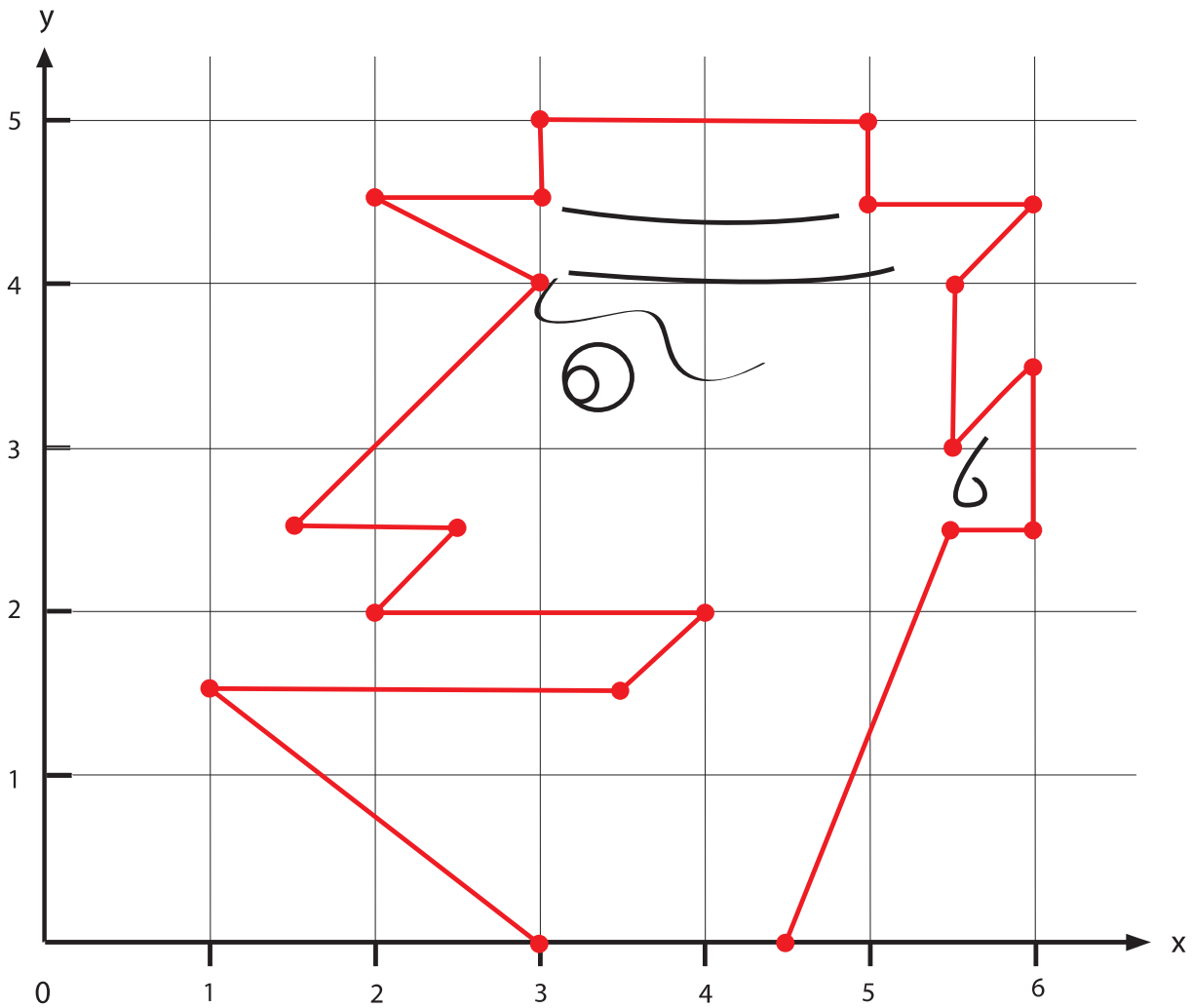
Answer Sheet

Answer Sheet

Plot a dot, Draw a line, What do you find?

Can you find the hidden image? Plot the coordinates in order, draw a line between each one, and see what figure appears! Remember, the first number is on the X axis and the second number is on the Y axis.

- | | | |
|---------------|--------------|----------------|
| 1. (3, 0) | 9. (2, 4.5) | 17. (6, 3.5) |
| 2. (1, 1.5) | 10. (3, 4.5) | 18. (6, 2.5) |
| 3. (3.5, 1.5) | 11. (3, 5) | 19. (5.5, 2.5) |
| 4. (4, 2) | 12. (5, 5) | 20. (4.5, 0) |
| 5. (2, 2) | 13. (5, 4.5) | |
| 6. (2.5, 2.5) | 14. (6, 4.5) | |
| 7. (1.5, 2.5) | 15. (5.5, 4) | |
| 8. (3, 4) | 16. (5.5, 3) | |



Answer Sheet

Math
Algebra

Finding Factors

Answer
Sheet

Factors are numbers that you multiply together to get another number. For example, 2 multiplied by 4 equals 8. So 2 and 4 are the factors of 8.

Find the factors of the numbers below. See the example.

$$10 = \underline{2 \times 5}$$

$$18 = \underline{3 \times 6}$$

$$24 = \underline{4 \times 6}$$

$$30 = \underline{5 \times 6}$$

$$32 = \underline{4 \times 8}$$

$$39 = \underline{3 \times 13}$$

Find the missing factors.

$$15 = 3 \times \boxed{5}$$

$$21 = 3 \times \boxed{7}$$

$$45 = 9 \times \boxed{5}$$

$$42 = 7 \times \boxed{6}$$

$$36 = 2 \times 2 \times 3 \times \boxed{3}$$

$$60 = 2 \times 3 \times 2 \times \boxed{5}$$

$$75 = 5 \times 3 \times \boxed{5}$$

* When the factor is a prime number, it is called a prime factor.



Answer Sheet

Math
Algebra

Answer Sheet Least Common Multiple: Easy

A *multiple* is the product of two integers. To find the multiples of a certain number, multiply that number by every integer, starting with 1.

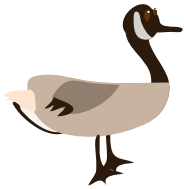
Example: The multiples of 2 are 2, 4, 6, 8, 10, and so on.

Common multiples are numbers that share one or more of the same multiples.

Example: Multiples of 2 are 2, 4, 6, 8, 10, 12 and so on.

Multiples of 3 are 3, 6, 9, 12, 15, and so on.

6 and 12 appear in these lists, so they are common multiples of 2 and 3.



Least common multiple (LCM) is the smallest common multiple of two or more numbers.

From the example above, the LCM of 2 and 3 is 6.

LCM can be found by listing the multiples and looking for the smallest common one in the lists.

Circle the common multiples of the pair of numbers, then answer the questions.

Multiples of 4 = 4, 8, 12, 16, 20 ...

Multiples of 5 = 5, 10, 15, 20, 25, ...

The common multiple is: 20.

The LCM is 20.

Multiples of 6 = 6, 12, 18, 24, 30, 36, 42 ...

Multiples of 7 = 7, 14, 21, 28, 35, 42, 49, ...

The common multiple is: 42.

The LCM is 42.

Multiples of 8 = 8, 16, 24, 32, 40, ...

Multiples of 10 = 10, 20, 30, 40, 50, ...

The common multiple is: 40.

The LCM is 40.

Multiples of 9 = 9, 18, 27, 36, 45, 54, 63, ...

Multiples of 12 = 12, 24, 36, 48, 60, 72, ...

The common multiple is: 36.

The LCM is 36.

Fill in the blanks and find the least common multiples below.

Multiples of 2 = 2, 4, 6, 8, 10, 12, ...

Multiples of 3 = 3, 6, 9, 12, 15, 18, ...

The common multiples are: 6 and 12.

The LCM is 6.

Multiples of 3 = 3, 6, 9, 12, 15, 18, 21, 24, ...

Multiples of 4 = 4, 8, 12, 16, 20, 24, 28, 32, ...

The common multiples are: 12 and 24.

The LCM is 12.

Answer Sheet

Math
Numbers

Answer
Sheet

Prime Numbers

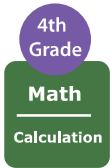
A prime number is a whole number that can only be divided evenly by 1 or itself. For example, 2 is a prime number because the only numbers that it can be divided by evenly are 2 and 1. Circle all the prime numbers in the box below.

2 17 5 11
3 19 37
13 7
41 35 6 63
18
81 44 62
77 22

Circle the bags that contain a prime number of gumdrops.



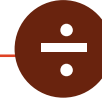
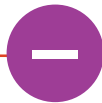
Answer Sheet



Answer Sheet

Find The Missing Operation #2

Add the operation symbols: addition(+), subtraction(-), multiplication(x), or division(\div) to complete the equation.



$$(8 - 5) \text{ (+) } 6 = 9$$

$$(7 + 4) \text{ (+) } 7 = 18$$

$$(12 + 6) \text{ (-) } 4 = 14$$

$$(22 - 3) \text{ (-) } 9 = 10$$

$$(3 \times 7) \text{ (+) } 4 = 25$$

$$(6 \times 5) \text{ (+) } 3 = 33$$

$$(4 \times 2) \text{ (x) } 6 = 48$$

$$(3 \times 3) \text{ (+) } 2 = 11$$

$$(30 - 15) \text{ (} \div \text{) } 3 = 5$$

$$(10 - 2) \text{ (x) } 7 = 56$$

$$(24 - 10) \text{ (x) } 1 = 14$$

$$(7 \times 7) \text{ (+) } 3 = 52$$

$$(100 - 80) \text{ (} \div \text{) } 4 = 5$$

$$(45 - 18) \text{ (} \div \text{) } 9 = 3$$

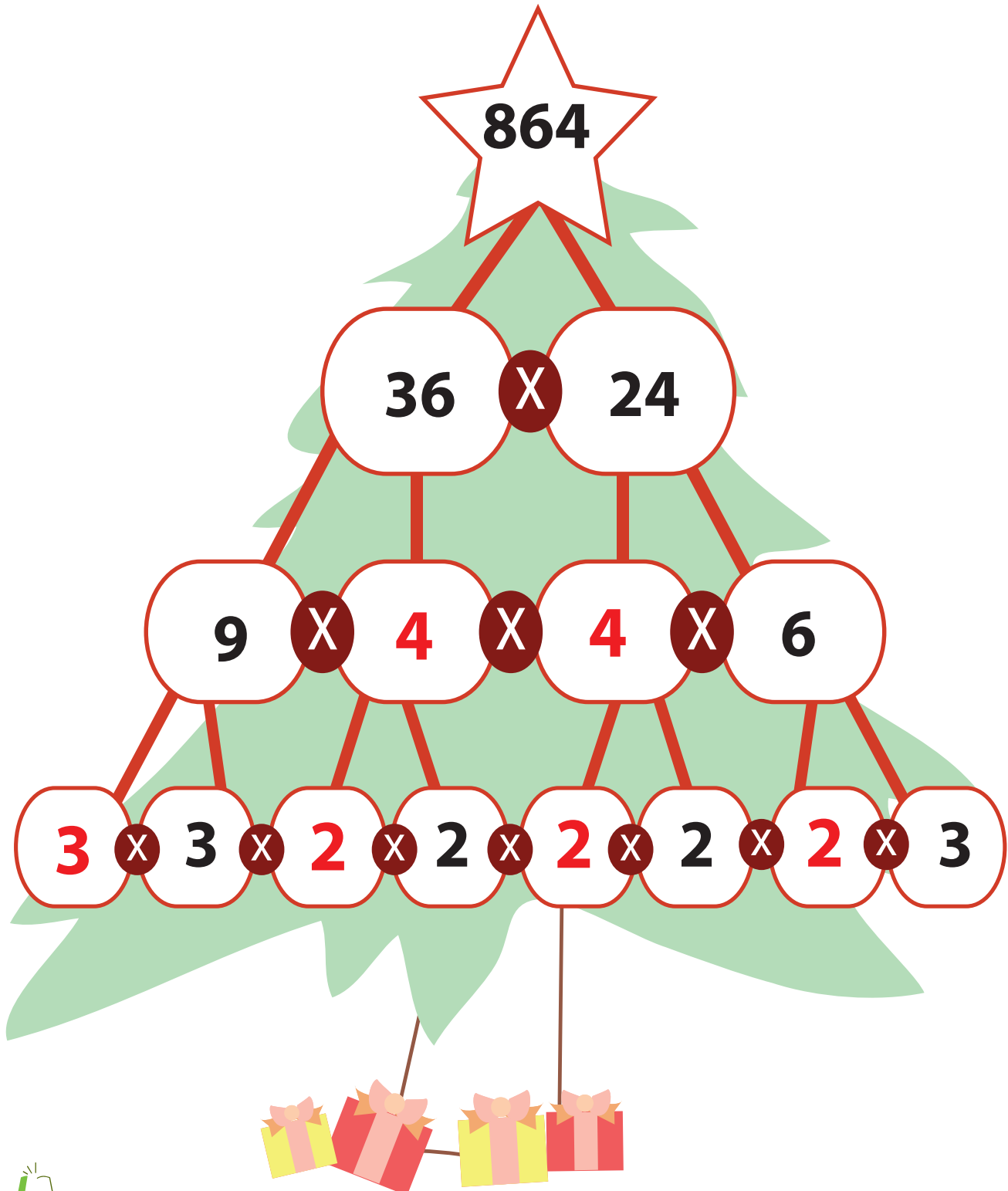
Answer Sheet

Math
Algebra

Factor Tree

Answer Sheet

Factors are numbers that you multiply together to get another number. Every number can be broken down into factors. Complete the factor tree below by filling in the missing factors.



Answer Sheet

Collision Coordinates

Answer Sheet

4TH GRADE
LINEAR MATH

Balloons and birds are on a collision course in the sky! When their paths cross, the balloons pop! Plot 10 points for each of the 4 linear equations using the T-charts given. Graph each line on the x-y coordinates and answer the questions on the right.

At what coordinate (x,y) does the orange bird pop the red balloon?

(20 , 16)

At what coordinate (x,y) does the blue bird pop the green balloon?

(32 , 21)

← Coordinate answers will vary depending on choice of X.

Red balloon
 $y = 2x - 24$

x	y
12	0
13	2
14	4
15	6
17	10
19	14
20	16
21	18
23	22
24	24

Green balloon
 $y = 3x - 75$

x	y
25	0
26	3
27	6
28	9
29	12
30	15
31	18
32	21
33	24
34	27

Orange bird
 $y = \frac{x}{2} + 6$

x	y
0	6
2	7
4	8
6	9
8	10
10	11
14	13
18	15
22	17
24	18

Blue bird
 $y = \frac{x}{4} + 13$

x	y
0	13
4	14
8	15
12	16
16	17
20	18
24	19
28	20
32	21
36	22

