

Name: \_\_\_\_\_

Complete each pattern. Write what the rule is. HINT: The first three numbers in each pattern are random numbers.

5, 14, 7, 26, 47, 80, 153, 280, 513, 946, 1739, \_\_\_\_\_, \_\_\_\_\_

11, 9, 4, 24, 37, 65, 126, 228, 419, 773, 1420, \_\_\_\_\_, \_\_\_\_\_

Complete each pattern, using the same rule. Write what the rule is.

5, 15, 19, 57, 61, 183, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

8, 24, 28, 84, 88, 264, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

7, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, 241

Name: \_\_\_\_\_

Fill in the missing numbers.

Only rule - The same number CAN NOT be next to each other, in ANY direction.

Dark lines surround a block. Numbers to use in a block:

A block with 1 space has to be the number 1.

A block with 2 spaces must have the numbers 1 and 2.

A block with 3 spaces must have the numbers 1, 2, and 3.

A block with 4 spaces must have the numbers 1, 2, 3, and 4.

2	4	1	3	2	4	1
1	3	2	4			
2	4	1	3	2		1
1	3	2	4	1	3	2

An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

4 3 2 1

1	2	1	2	1	2
3		3	4	3	4
2			1	2	1
4		4	3	4	3
1	2	1	2	1	2

An entire block with 4 spaces is blank. Since the block is 4 spaces it uses the numbers 1-4.

4 1 2 3

1			4		2	1	
3	4		2	3		3	
	2	3	4		2	1	2

Hint - These numbers are missing:

1 4 1 1 2 3 4 2 1

1		1	2	1	3		2
4		4					3
1	2	1	2	1	3	1	2

Hint - These numbers are missing:

2 4 1 3 2 4 3

Name: \_\_\_\_\_

Fill in the missing numbers.

4	1	4	3		1
				4	3
	1	4		2	1
2	3	2	1	4	

Hint - These numbers are missing:

2 2 4 1  
3 2 3 3

		3	2		
1	4	1		1	4
	3	2		2	
4			1	4	1

Hint - These numbers are missing:

2 2 4 3 3  
2 3 1 3 4

1				1
4	3		3	
		1	2	1
3	4	3		
	1	2	1	2

Hint - These numbers are missing:

2 3 2 4 2  
4 2 1 1 4

1	2	1	2	
	3		3	4
	2	1		1
3	4		4	
1		1		1

Hint - These numbers are missing:

2 2 4 1 3  
1 4 3 2

Name: \_\_\_\_\_

Erin procrastinated studying until 5 minutes before the spelling test. As a result, she only spelled 1 out of 5 words correctly. There were 20 words on the test. How many did she spell correctly?

A package of 10 jasmine blossom teabags sells for \$1.95. The weight of the tea in each bag is 1.89 grams. How much does jasmine tea cost per gram?

Nathan took a big bowl from the kitchen to see what kind of fun party mix he could create.

He added  $\frac{1}{4}$  cup of raisins,  $2\frac{2}{7}$  cups of Cheerios, and  $2\frac{2}{3}$  cups of pretzels. How many cups of food are now in the bowl?

Put one line under the smallest number. Put two lines under the next smallest, and so on.

The largest number should have 4 lines under it.

-10.7

8.9

-10.4

8.2

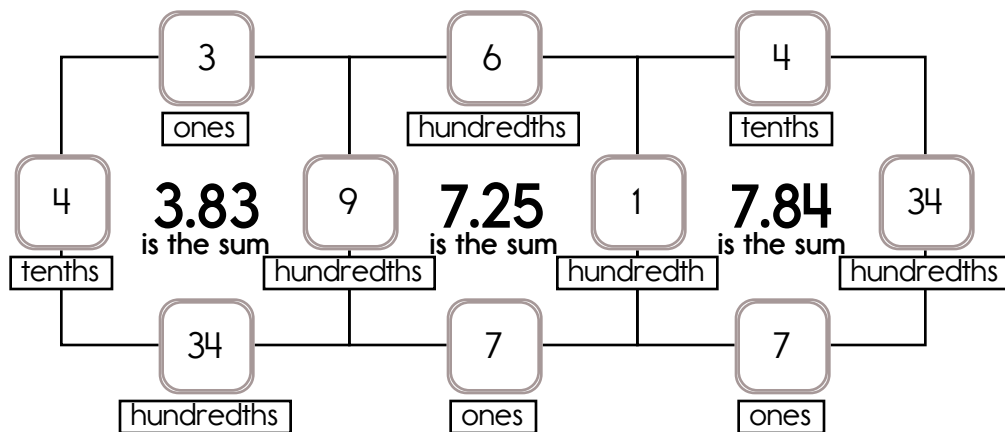
Example:

$$0.4 + 0.09 + 3 + 0.34 = 3.83$$

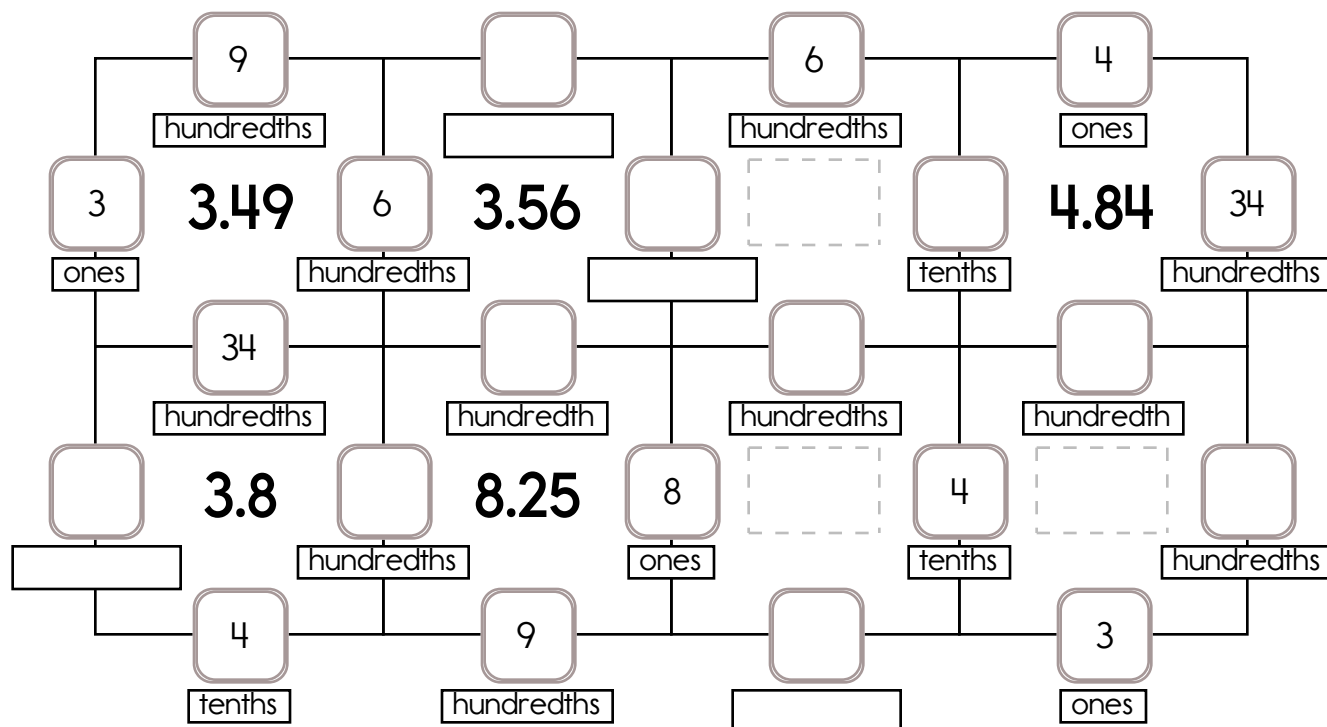
Example:

$$0.1 + 0.34 + 0.4 + 7 = 7.84$$

### Sample:



The other three numbers have to all be DIFFERENT and must be from these: 1 hundredth, 4 tenths, 6 hundredths, 34 hundredths, or 9 hundredths.



Name: \_\_\_\_\_

David needs \$39.85 to buy flowers for his mother on Forget Me Not Day. He has \$10.32. If he saves \$3 each week, how many weeks will it take him to save enough money to buy the flowers?	Ms. King bought $\frac{1}{2}$ of a bushel of zucchini to put on her neighbor's porch. The zucchini cost \$22.58 per bushel. She also bought a basket for \$7.86 and 2.25 yards of ribbon at \$0.70 per yard. Her neighbor was very pleased with the pretty basket of zucchini. How much did Ms. King spend?	Jack knows that his teacher loves birds. He is building a birdhouse for her for Teacher Appreciation Week. He started working on the birdhouse at 2:37 p.m. Saturday afternoon. He worked until it was all finished at 4:04 p.m. that evening. How long did Jack work on the birdhouse?
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### What Words? Your Words!

Fill in the boxes with letters to make words. Each box is worth points. Earn points by filling in as many boxes as you can. Sum up the points you earn for each word.

Make a Word	Sum	Make a Word	Sum
<div>1 2 4 6 8 12 18</div> <div>P R I N C E S</div>	33	<div>1 2 4 6 8 12 18</div> <div>E</div>	
<div>1 2 4 6 10 16</div> <div>B R</div>		<div>1 2 4 6 12 18</div> <div>A D</div>	
<div>1 2 4</div> <div>P H</div>		<div>1 2 4 6</div> <div>S E</div>	

12 x 10 = _____	$\begin{array}{r} 369 \\ + 498 \\ \hline \end{array}$	Hannah rolls a die. What is the chance of her rolling a 2? _____
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Name: \_\_\_\_\_

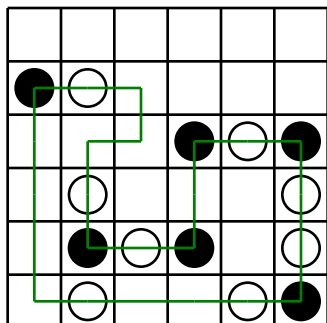
$682 + 899 =$ _____	$\begin{array}{r} 605 \\ - 142 \\ \hline \end{array}$	$14 \div 2 =$ _____
		$6 \times 10 =$ _____

$1 \text{ kg} = 1,000 \text{ g}$ $15 \text{ kg} =$ _____ $\text{g}$	$45 \div 9 =$ _____	You can buy 3 toys for \$15 at the store. At this rate, what would be the cost of twelve toys?

If you divide 87 by 5, you get a remainder of 2. Make up three other different equations where you divide by 5 and get a remainder of 2.	$12 \times 9 =$ _____	$\begin{array}{r} 30 \\ + 38 \\ \hline \end{array}$
	$5 \times 2 =$ _____	
	$4 \times 2 =$ _____	

$7 \times 3 =$ _____	$\begin{array}{r} 51 \\ - 16 \\ \hline \end{array}$	Anne rolls two dice. What is the chance of her rolling a 1 on one die and a 2 on the other die? _____	$7 \times 10 =$ _____
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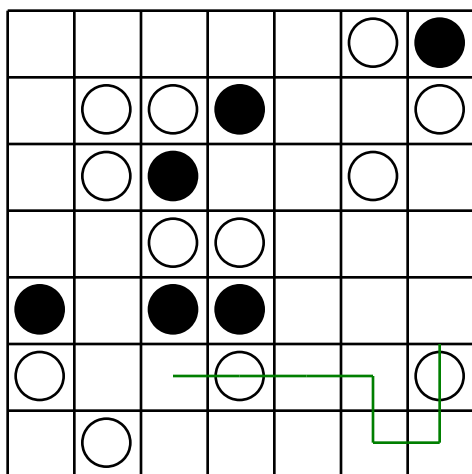
Circle the greatest number: $2,693$ $27,849,015$ $2,673,189$ $50,436$	Rosa is older than Amanda. Hannah is younger than Rosa. Who's the oldest?
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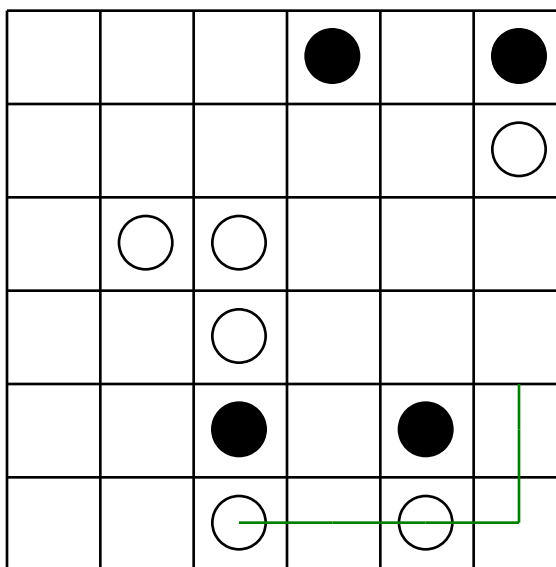
You MUST TURN in a BLACK circle. Do NOT TURN in a WHITE circle.

The puzzle on the left shows a correct line going through all the circles.

Finish the line:



Finish the line:



$42 \div 6 = \underline{\hspace{2cm}}$

\_\_\_\_\_ grams

Are you going to get candy?

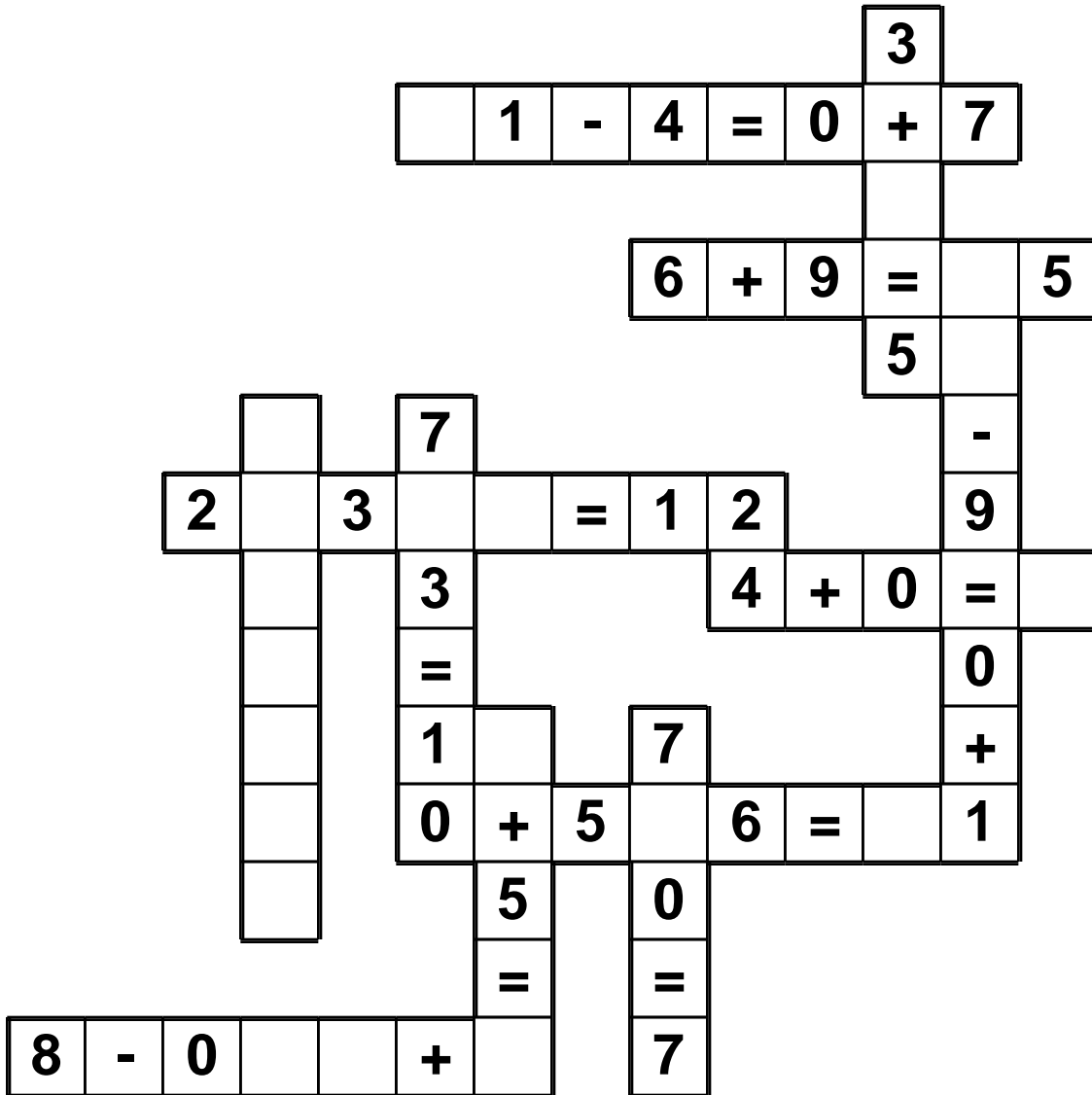
6 km = \_\_\_\_\_ m

$$36 \div 3 = \underline{\hspace{2cm}}$$

$45 \div 9 =$



Use the pieces above to help you fill in the runaway math puzzle.



$$(8 + 5) + 3 =$$

Name: \_\_\_\_\_

Alexander, Isaac, Michael, and Cameron each have one brother (Steven, Nicholas, Jose, and Matthew) and one sister (Kaylee, Sarah, Christina, and Olivia).

Who is each person's brother and sister?

1. Alexander invited Sarah and Olivia over to his family's house for dinner.
2. Michael is younger than his sister Kaylee.
3. Isaac played with his brother Jose outside.
4. Michael invited Sarah and Christina over to his family's house for dinner.
5. Michael played with his brother Steven outside.
6. Nicholas helped his sister Christina with her homework.
7. Cameron went to the mall with his sister, but not with his brother. Nicholas and Steven went with Cameron as well.
8. Alexander played with his brother Nicholas outside.
9. Steven helped his sister Kaylee with her homework.
10. Cameron invited Kaylee and Olivia over to his family's house for dinner.
11. Michael's sister and Christina were talking on the phone. They are not in the same family.
12. Isaac is older than his sister Olivia.
13. Cameron went to the mall with his sister, but not with his brother. Steven and Nicholas went with Cameron as well.

Alexander's brother is \_\_\_\_\_ and Alexander's sister is \_\_\_\_\_.

Isaac's brother is \_\_\_\_\_ and Isaac's sister is \_\_\_\_\_.

Michael's brother is \_\_\_\_\_ and Michael's sister is \_\_\_\_\_.

Cameron's brother is \_\_\_\_\_ and Cameron's sister is \_\_\_\_\_.

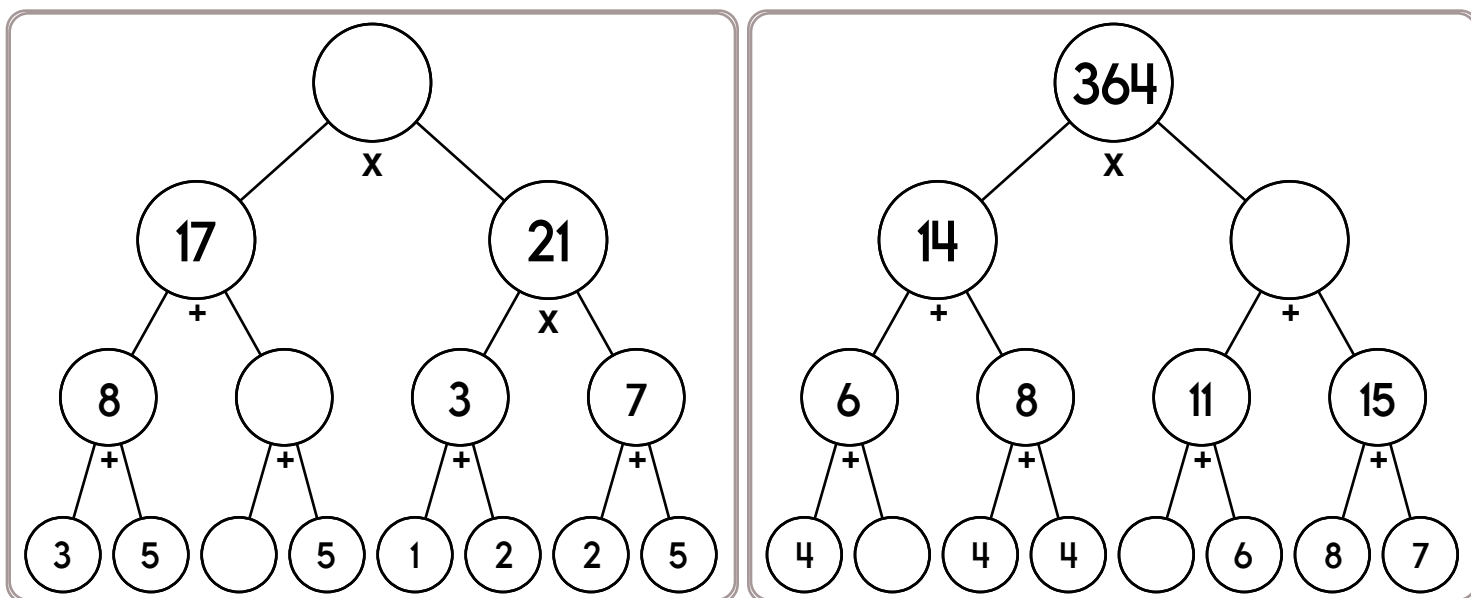
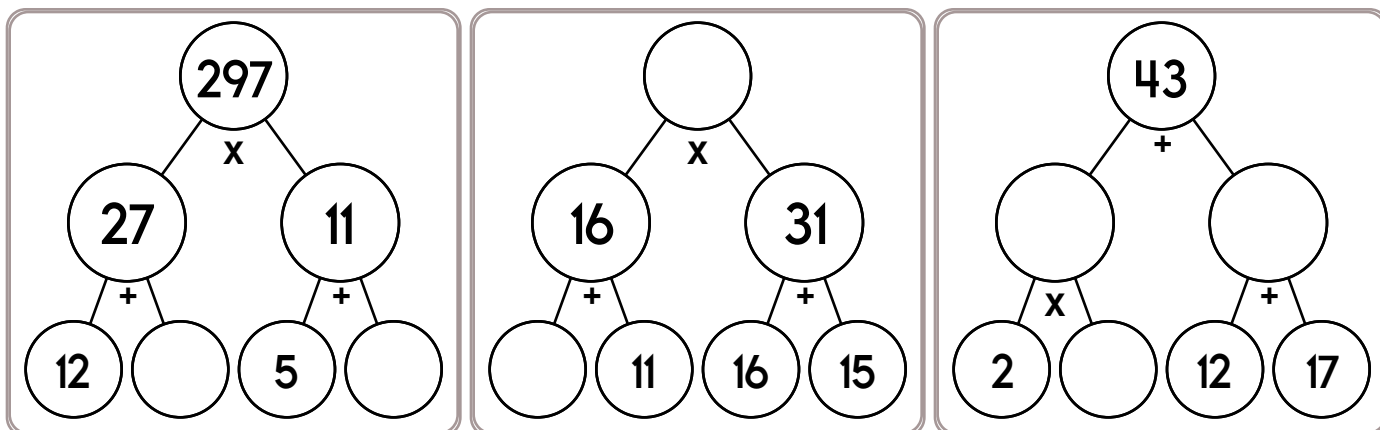
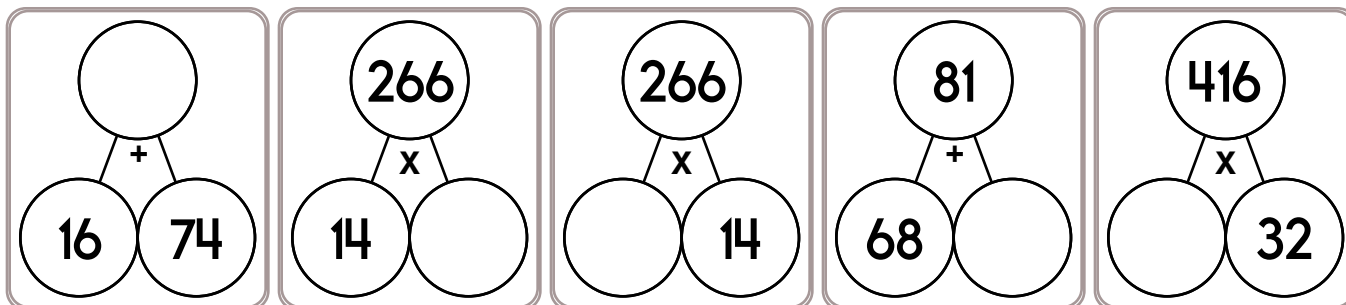
Name: \_\_\_\_\_

When the square root of one number is added to the square root of another number, the sum is 97. The difference between the original numbers before being squared is 5. What are the numbers?

The sum of two numbers is 13. The difference between the numbers is 25. If the numbers are integers, what are possible values?

I am a positive whole number less than 80. Two of my factors are 2 and 3. I am a common multiple of 13 and 26. What number am I?

Name: \_\_\_\_\_



Find the difference  
between 25.8 and 10.9.

$$\begin{array}{r} 7.3 \\ - 3.51 \\ \hline \end{array}$$

What is the sum of 16.7 and  
8.6?

Name: \_\_\_\_\_

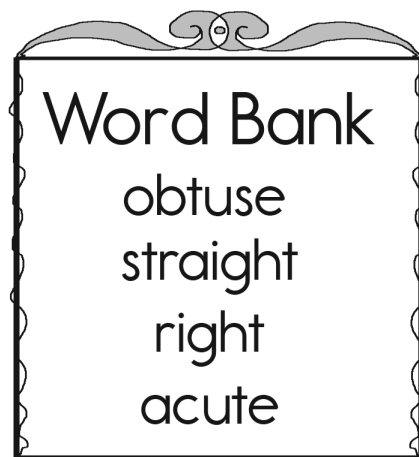
Use this word bank to answer each question.

An angle that is....

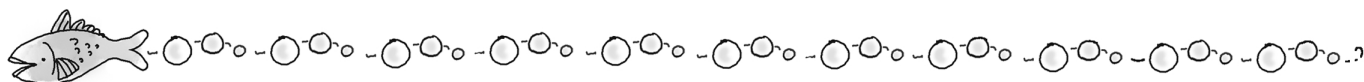
90 degrees? \_\_\_\_\_

180 degrees? \_\_\_\_\_

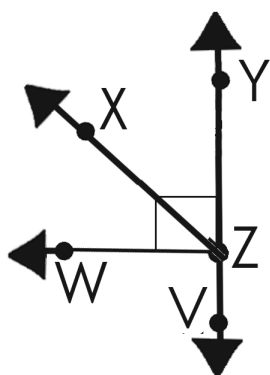
Less than 90 degrees? \_\_\_\_\_



Greater than 90 degrees but less than 180 degrees? \_\_\_\_\_



Use this figure to finish each.

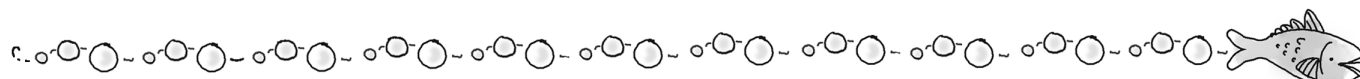


Write an acute angle here. \_\_\_\_\_

Write a straight angle here. \_\_\_\_\_

Write a right angle here. \_\_\_\_\_

Write an obtuse angle here. \_\_\_\_\_



Draw a figure that contains a "line," a "line segment," and a "ray."

Name: \_\_\_\_\_

Ready to make equations? There is a missing equation in each box.  
Circle the numbers once you find it!

**A**

<b>30</b>	85	55
71	33	27
91	78	95

Find an  
addition fact.

**B**

82	93	78
29	51	45
18	63	85

Find a  
subtraction fact.

**C**

67	85	52
97	69	59
48	74	21

Find an  
addition fact.

Equations:

Write the equation facts you found.

<b>A</b>	30	+		=	
<b>B</b>		-		=	
<b>C</b>		+		=	

Lucas took three numbers greater than 1 and multiplied them. One number was three and the other number was fourteen. Of course, he forgot the last number, but he remembered the product was 251. Is this possible?

$132 \div 12 = \underline{\hspace{2cm}}$

$48 \div 12 = \underline{\hspace{2cm}}$

$40 \div 5 = \underline{\hspace{2cm}}$

$32 \div 4 = \underline{\hspace{2cm}}$

Write 1,957 in words.

\_\_\_\_\_



Name: \_\_\_\_\_

## Can you guess the word?

No duplicate letters can be used.

**W** R A T H

The letter W is in the word  
and is in the correct spot.

S **M** O K E

The letter M is in the word,  
but M is not in that spot.

A B C D E F G H I J K L

A list of letters will be given that  
have not been used. Good luck!

Hint: There are no duplicate letters in the answer.

S C R **A** P

**A** B O V **E**

**A** N **K** **L** **E**

D F G H I J M Q T U W X Y Z

Let's check if you guessed correctly. Look across or  
down to find the correct answer.

EGALCOKTABVIFIPIAAV  
AIAAS PQAXB LBERSSVIC  
HGXALICIREQFKVAVEAR  
OARRLBBICIBPASABMAI  
DPALIKEEAE O E M S C R A P Z  
A B O V E B C A O E M I E O E E A G W

Hint: There are no duplicate letters in the answer.

B R I **C** K

M U N **C** H

P **A** T **C** H

D E F G J L O Q S V W X Y Z

Let's check if you guessed correctly. Look diagonally  
to find the correct answer. (DIAGONAL!)

T T T X O K Z E H A U A T V N  
A E W M H H I O X M P T E L K  
T A A U U N T U A N E A W K K  
T A M C C N V E W W C H T A O  
H E T A H Q C U O P I M W C I  
M I A A T F H H H Y Y R T M H

Hint: There are no duplicate letters in the answer.

**U** R **B** **A** N

**T** **A** **B** **L** **E**

C D F G H I J K M O P Q S V W X

Y Z

Let's check if you guessed correctly. Look diagonally  
to find the correct answer. (DIAGONAL!)

N T N T L D T B U M B A A S B L A T B  
R I T W T B T B H A I E E I G I K L B  
X N O B Y A L R I A N U B A N B T O T  
W I B I T U B L I E B I R N A A U U N  
L R R B W L Y L O A T I B B N A L C H  
A I U A I K F H E A A O T B A T U R A  
H B B H H B T X H B F T E K D N A S B  
X D Y T Y L L T A H R H L T W R B I A

Name: \_\_\_\_\_

Fraction	Decimal
$\frac{2}{10}$	0.2
	0.26
$\frac{90}{100}$	
$\frac{80}{100}$	

Decimal	Percentage
0.8	
0.03	
	79%
0.91	
	18%
0.04	

Percentage	Fraction
80%	
60%	
30%	
	$\frac{85}{100}$

Percentage	Decimal
50%	
	0.86
84%	
	0.69
7%	
71%	

Simplify.

$$\frac{12,300}{16,400} =$$

$$|-5| - n = 10$$

n =

$$8 \times 80 \div 8 - 63 \div 9 =$$



Name: \_\_\_\_\_

$77\frac{3}{4}$	$-\frac{1}{4}$		$-39$		$-\frac{2}{3}$		$+\frac{1}{3}$	
								$-\frac{3}{4}$
	$-\frac{3}{4}$		$+51$		$-50$			
$-7$								$+1$
					$+26$		$+\frac{2}{3}$	
$-9\frac{1}{3}$		$+4\frac{1}{4}$		$+19$	$95\frac{2}{3}$		$+17$	$89\frac{1}{4}$

$15\frac{1}{4}$	$+24$		$+\frac{7}{10}$	
				$-\frac{1}{4}$
	$+3$		$-5\frac{4}{10}$	
$+13$				
	$+57$	$107\frac{3}{10}$	$-40$	$67\frac{3}{10}$

$80\frac{3}{20}$	$+\frac{2}{4}$	
$+21$		$+\frac{4}{10}$
$59\frac{3}{20}$		
$-7\frac{3}{4}$		$-8$
		$73\frac{1}{20}$

Name: \_\_\_\_\_

An image taken on February 21, 1994, by the Hubble Space Telescope shows Pluto and its moon, Charon. At the time, the planet was 4.4 billion kilometers (2.7 billion miles) from the Earth. Find a rational number between 4.4 billion and 4.3 billion.

Rose made a cake for Parent's Day for her mother and father. She used  $2\frac{1}{4}$  cups of flour,  $\frac{1}{2}$  of a cup of sugar,  $\frac{1}{4}$  of a cup of cocoa, and  $\frac{1}{2}$  of a teaspoon of cinnamon. What is the total quantity of dry ingredients Rose used in her cake?

Jason made a delicious apple spice cake for the Fall Festival. He cut each cake into 10 pieces. So far, he has sold  $\frac{1}{5}$  of the cake. How many pieces has he sold?

Name: \_\_\_\_\_

# CHALLENGE YOUR CLASSMATES!

(OR SIBLING OR PARENT)

Play against  
someone!

Go to:

[edhelper.com/math-games.htm](http://edhelper.com/math-games.htm)

Pick your  
grade. Then play  
to challenge  
someone else.

Date played:

Whom I challenged:

Who won?

Explain what you learned from one math problem you got wrong.

YOU  
WIN!



Round 62,322 to the  
nearest hundred.

How many meters are  
there in 35 kilometers?

How much time is it from  
6:00 a.m. to 10:20 a.m.?

Name: \_\_\_\_\_

Can you draw lines to cover every number or shape in the picture?

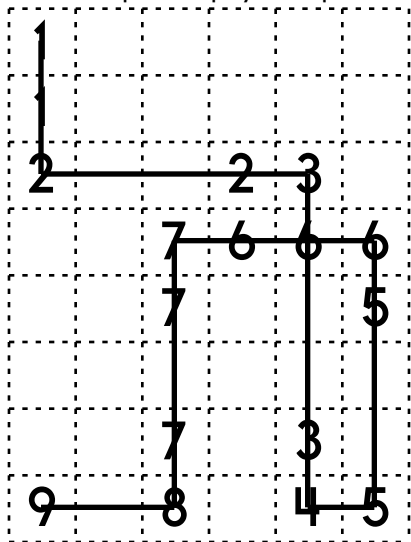
You can only move left, right, up, or down. And definitely no starting or stopping in a blank spot!

The first one is already done for you. Good luck.

Draw exactly 8 lines.

Start on 1.

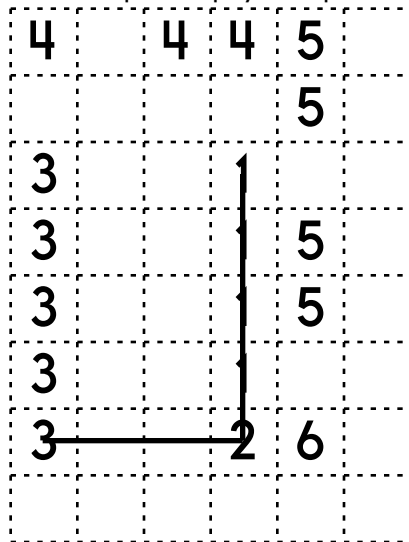
Do not pick up your pencil.



Draw exactly 5 lines.

Start on 1.

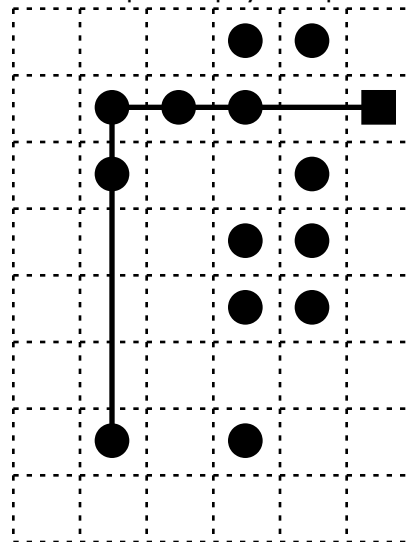
Do not pick up your pencil.



Draw exactly 6 lines.

Start on the square.

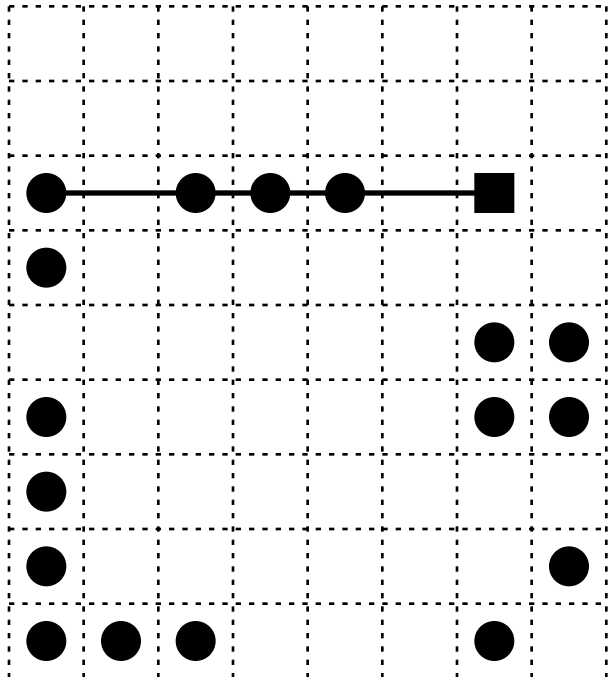
Do not pick up your pencil.



Draw exactly 6 lines.

Start on the square.

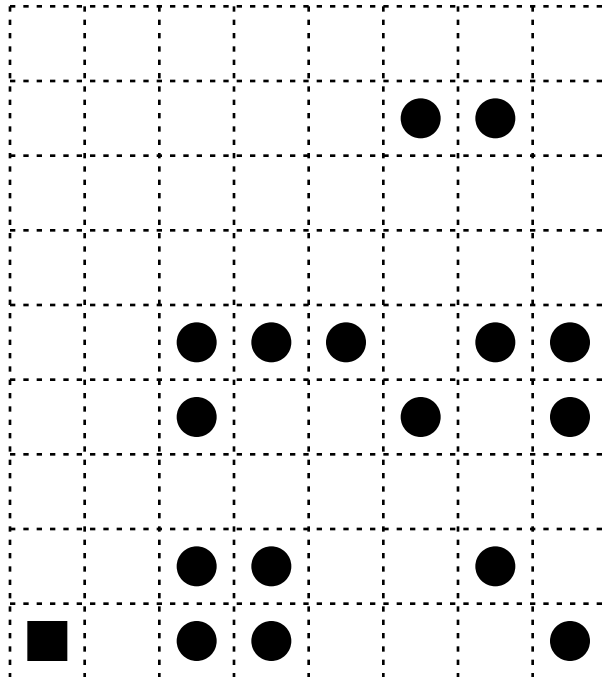
Do not pick up your pencil.



Draw exactly 8 lines.

Start on the square.

Do not pick up your pencil.

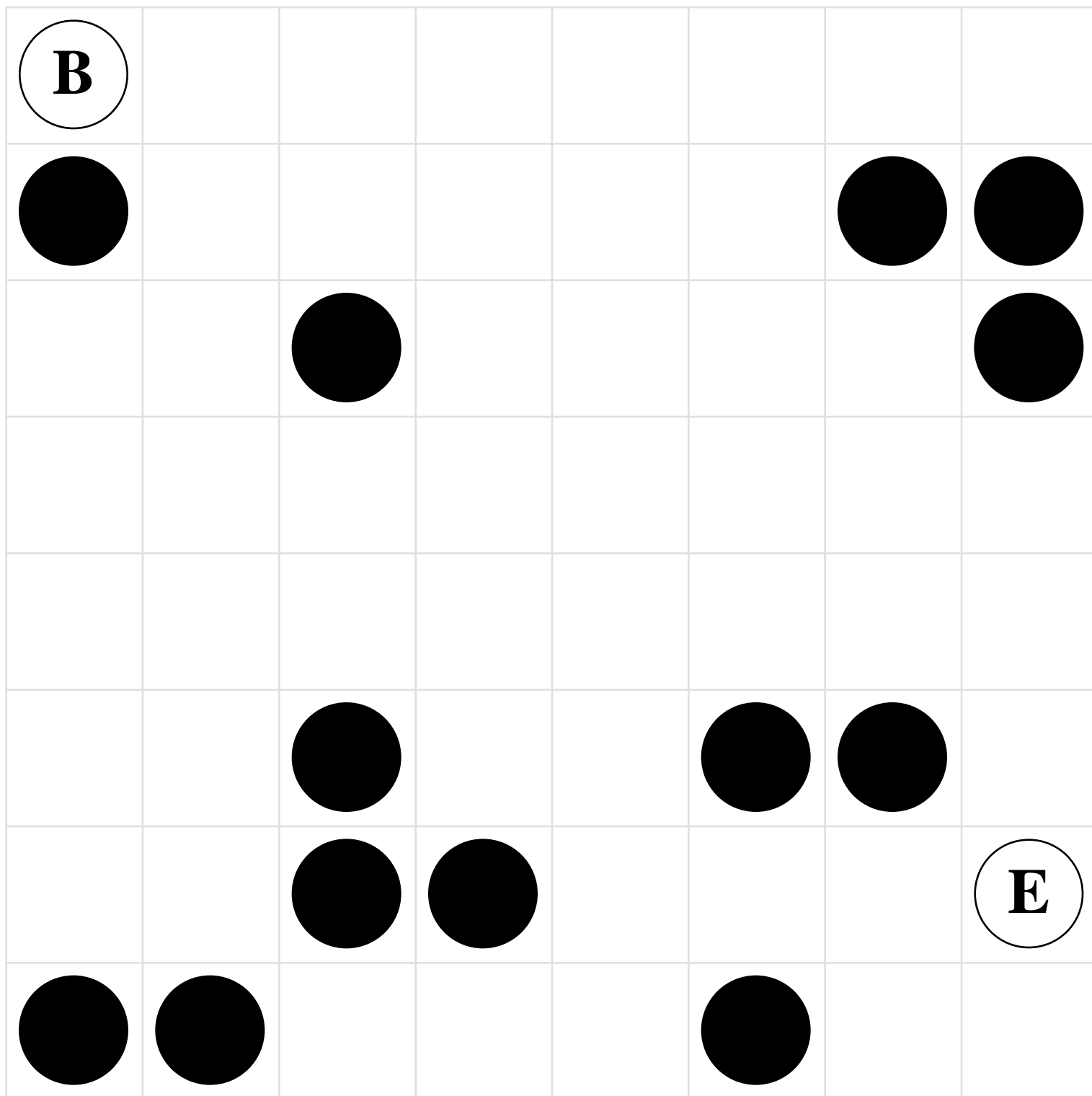


Name \_\_\_\_\_



Date \_\_\_\_\_

Start on the **B** circle. Do not pick up your pencil. Draw a line going left, right, up, or down. **Every line must end on a circle. No stopping on an empty box.** Try to collect all the circles and finish your last line on the **E** circle. You can go through a circle more than once.



Didn't get them all? That's ok. This was hard.

I missed \_\_\_\_\_ circle(s).



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# edHelper.com!



New online math games!



New ideas!



$\times$   
 $\times =$   
 $- \div < - >$

More puzzles!





