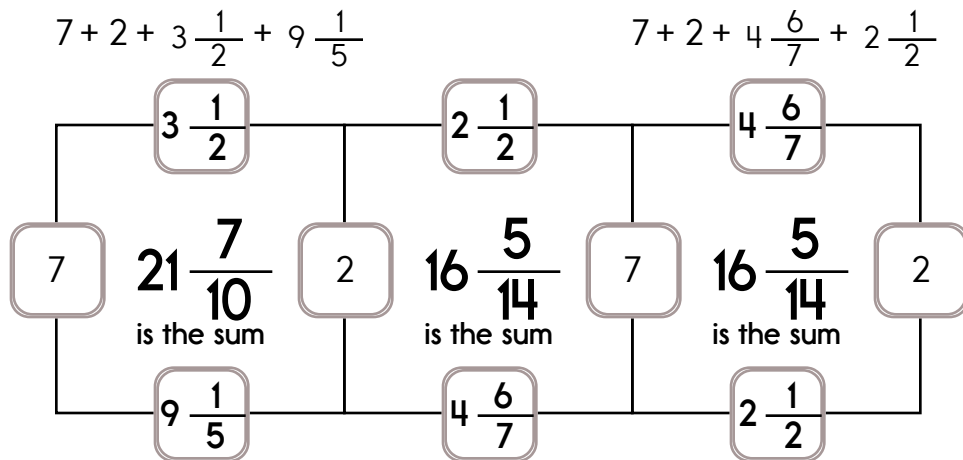


Name: \_\_\_\_\_

This puzzle has a large number in the middle, which is the sum of the four numbers that surround it.

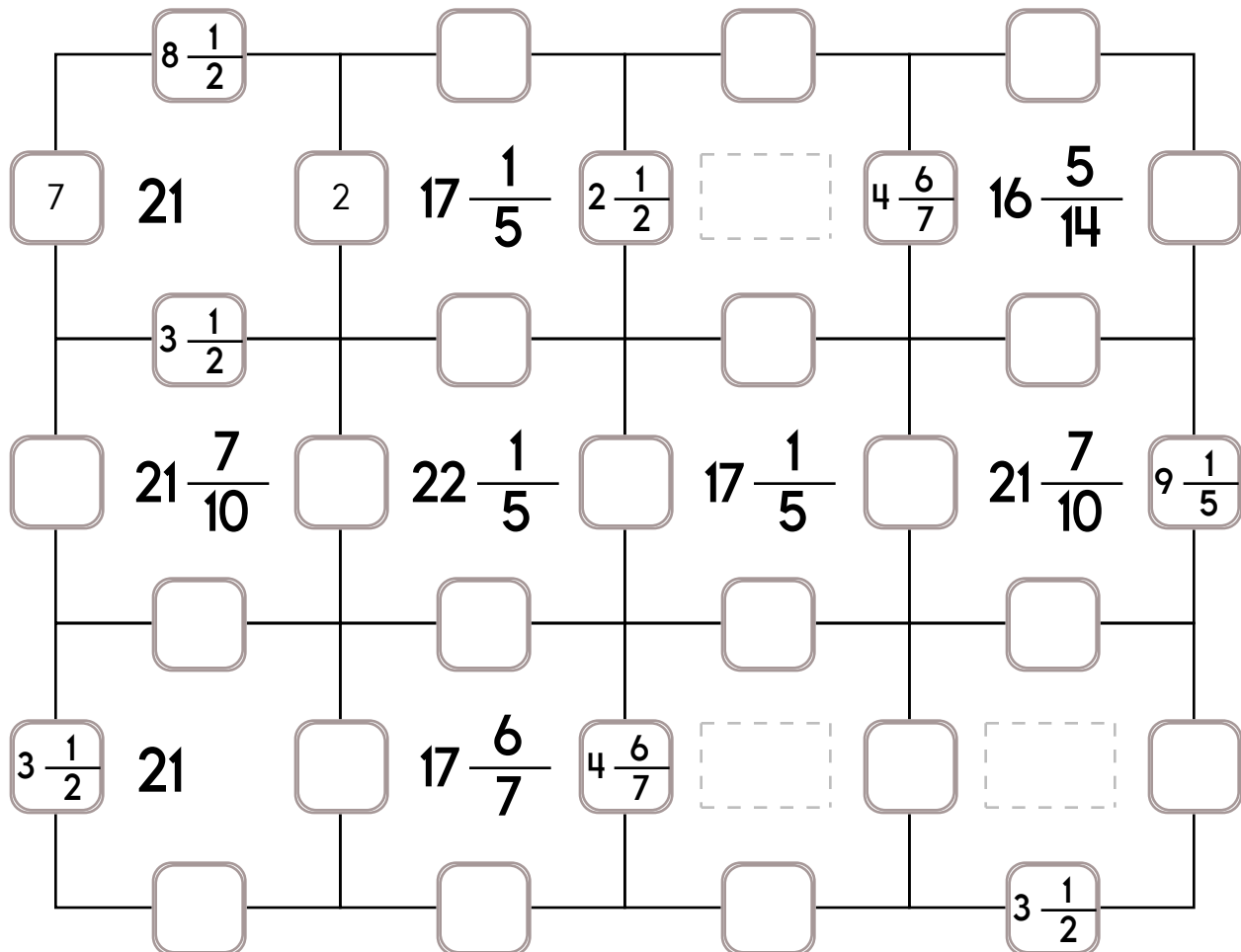
Sample:



Fill in the missing numbers. How? The sum of the four surrounding numbers is in the center of each square.

Exactly one of the four numbers has to be one of these numbers:  $8\frac{1}{2}$ ,  $9\frac{1}{5}$ , or  $4\frac{6}{7}$ .

The other three numbers have to all be DIFFERENT and must be from these:  $2\frac{1}{2}$ ,  $3\frac{1}{2}$ , 2, or 7.



Exactly one of the four numbers has to be one of these numbers:  $1\frac{2}{3}$ ,  $7\frac{1}{2}$ , or  $4\frac{3}{7}$ .

A 6x6 grid of boxes connected by lines. The boxes contain the following values (row by row, left to right):

- Row 1:  $4\frac{3}{7}$ ,  $20\frac{16}{21}$ ,  $3$ ,  $19$ ,  $24\frac{5}{6}$ ,  $30\frac{1}{6}$
- Row 2:  $8\frac{1}{3}$ ,  $20\frac{16}{21}$ ,  $22\frac{1}{3}$ ,  $19$ ,  $9\frac{1}{3}$
- Row 3:  $5$ ,  $25\frac{2}{21}$ ,  $21\frac{16}{21}$ ,  $27\frac{2}{21}$ ,  $19$ ,  $9\frac{1}{3}$
- Row 4:  $23\frac{5}{6}$ ,  $20\frac{16}{21}$ ,  $21\frac{16}{21}$ ,  $24\frac{1}{3}$
- Row 5:  $24\frac{5}{6}$ ,  $28\frac{1}{6}$
- Row 6: (Empty)

Empty boxes are located at: (1,3), (1,4), (1,5), (1,6), (2,1), (2,2), (2,3), (2,4), (2,5), (2,6), (3,1), (3,2), (3,3), (3,4), (3,5), (3,6), (4,1), (4,2), (4,3), (4,4), (4,5), (4,6), (5,1), (5,2), (5,3), (5,4), (5,5), (5,6), (6,1), (6,2), (6,3), (6,4), (6,5), (6,6).

A dashed box is present in the second row, second column.

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

A particular species of bird weighs about twenty-six grams when born. If its weight increases by eleven percent a day, how much will it weigh on the second day of its life?

It takes Mrs. Wilson  $1\frac{3}{4}$  hours to drive to her grandson's house in Sour Apple Valley.

During  $\frac{1}{4}$  of that time she listens to compact discs. How much time does she spend listening to compact discs?

Alex has a headache. He can't stand long lists. "Can you repeat that again?" he asks. "It's easy. Name a number that is greater than 10, less than 20, is a multiple of 3, and FINALLY is a factor of 30," replies Robert.

The area of a square is 70.56 square inches. What is its perimeter?

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

Complete each pattern. Write what the rule is for each pattern.

(4,782,969) , (531,441) , (59,049) ,

(6,561) , (729) , (81) ,

(9) , (1) ,  $\frac{1}{9}$  , \_\_\_\_\_

(7,776) , (1,296) , (216) ,

(36) , (6) , (1) ,

$\frac{1}{6}$  ,  $\frac{1}{36}$  , \_\_\_\_\_ , \_\_\_\_\_

Complete each pattern. Write what the rule is.

2	12	72	432	2,592
1	7	49	343	
9		225	1,125	5,625
6			48	96

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

<p>Anna is drawing a mural of the night sky on black poster board with white chalk. If she uses up a stick of chalk at the rate of one stick every eight minutes, and she works on her mural from 7:07 a.m. until 8:11 a.m., how many sticks of chalk will she use?</p>	<p>It costs \$0.007 per hour to run a 100-watt light bulb. It costs \$0.017 per hour to run a small radio. How much more does it cost to run a radio for 15 hours than it costs to run a 100-watt light bulb for the same amount of time?</p>	<p>Holly is almost finished with her homework. She is going to reward herself with a strawberry parfait when she finishes. This is her last question: "What is the prime factorization of 66?" Answer the question for her.</p>
---	---	---

<p><math>7 \times 6 =</math> _____</p>	<p>Four cards cost \$12. At that rate, what is the cost of 20 cards?</p>	<p>Circle the smallest number: 894,601,273 91,029,567,134 493,108 60,582,743</p>
--	--	--

<p>Megan rolls two dice. She adds the numbers on the two dice. What is the chance of this sum being five?</p>	$\begin{array}{r} 35 \\ - 13 \\ \hline \end{array}$	<p><math>30 \div 6 =</math> _____</p>	$\begin{array}{r} 412 \\ + 326 \\ \hline \end{array}$
---	---	---------------------------------------	---

<p>In the number 338,663,494,157, the digit 8 is in what place? _____</p>	<p>How many pounds are in 96 ounces? _____ pounds</p>
---	---

<p><math>866 - 668 =</math> _____</p>	<p><math>(7 + 5) + 3 =</math> _____</p>
---------------------------------------	---

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

$30 \div 5 =$	$68,421 - 41,938 =$ _____	$6 \times 11 =$
---------------	---------------------------	-----------------

$541 + 784 =$ _____	$\begin{array}{r} 481 \\ - 345 \\ \hline \end{array}$	$1 \text{ kg} = 1,000 \text{ g}$ $12 \text{ kg} =$ _____ $\text{g}$
---------------------	---	--

Circle the greatest number: $971,623,485$ $16,592,037,481$ $7,093,265$ $84,520,871$	$6 \div 2 =$ _____	$10 \times 4 =$ _____
---	--------------------	-----------------------

$\begin{array}{r} 42 \\ + 45 \\ \hline \end{array}$	Write the missing family fact. $77 + 42 = 119$ $119 - 77 = 42$ $119 - 42 = 77$ _____	$8 \text{ km} =$ _____ $\text{m}$
---	--	-----------------------------------

$40\%$ of 100 is 40. $40\%$ of 200 is 80. $40\%$ of 500 is 200.  What is $40\%$ of 800?	$4 \times 7 =$ _____	What time is 15 hours after 1:00 p.m.? _____
		$66 \div 11 =$ _____

$9 \times 2 =$ _____	Write this as a number in standard form. Use a comma in your number.  four hundred eighty-three thousand, six hundred forty-two _____	$72 \div 6 =$
----------------------	---	---------------

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

The vowels are missing in the word search.  
Fill in the missing vowels and circle the words.

□	□	R	C	W	□	□	D	□	□
N	C	□	O	P	C	□	□	P	N
□	□	P	L	□	□	P	L	T	□
S	L	□	O	T	W	□	□	□	V
□	M	R	S	□	K	□	B	G	□
T	S	T	S	□	W	S	□	□	R
□	T	□	A	N	□	□	R	L	D
N	N	C	L	C	R	N	□	□	□
B	L	□	P	□	D	□	T	R	□
B	□	N	J	□	R	□	□	□	S

BANJO • GALE • PATIENCE  
POISON • CALM • OVERDUE  
COLOSSAL • WOE • AWKWARD  
REPORT • DELIBERATE • SATIN

Rose is giving out candy, but you need to guess her favorite number if you want some. Her favorite number has three digits. The units digit is 2 more than the tens digit. The three digits add up to fourteen. The hundreds digit is 1 more than the units digit. One digit in her number is five.

Are you going to get candy?

Anna is older than Jessica. Emily is younger than Anna. Who's the youngest?

Write an equation to represent this:

The product of twelve and ten is one hundred twenty.

\_\_\_\_\_

Rosa and her little sister, Amy, both have birthdays on the same day. Rosa is fifteen years old. Amy is eleven years old. Did you know that Rosa was once double the age of Amy? How many years ago was that?

$12 \div 3 = \underline{\hspace{2cm}}$

$3 \times 3 = \underline{\hspace{2cm}}$

$11 \times 6 = \underline{\hspace{2cm}}$

$36 \div 9 = \underline{\hspace{2cm}}$

$434 + 588 = \underline{\hspace{2cm}}$

$712 - 556 = \underline{\hspace{2cm}}$

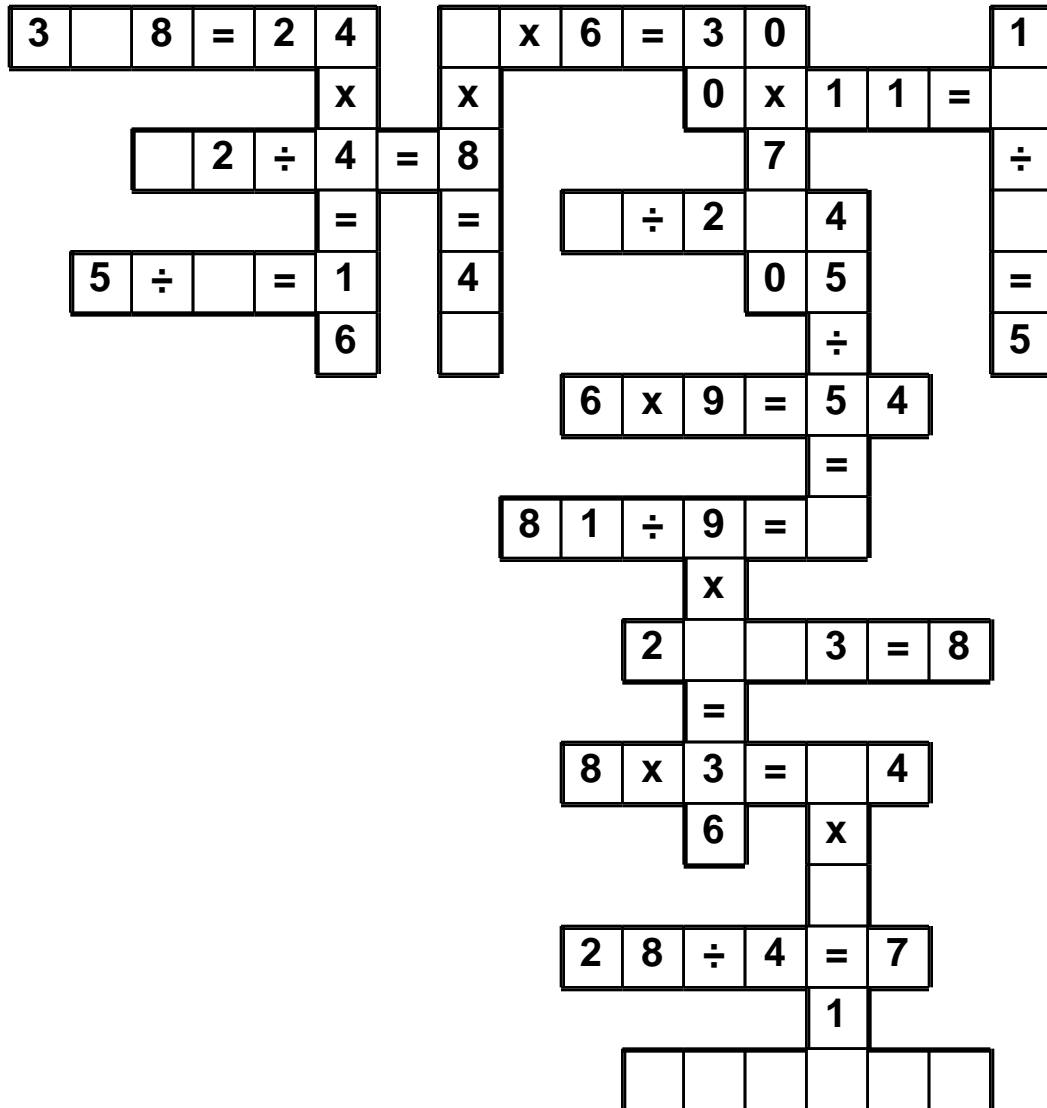
$70 \div 7 = \underline{\hspace{2cm}}$

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

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

$\times \bullet 5 \bullet 0 \bullet 3 \bullet 8 \bullet = \bullet 2 \bullet 5 \bullet 0 \bullet 9 \bullet 4 \bullet \div \bullet 2 \bullet 9 \bullet 4 \bullet 0$   
 $\div \bullet 8 \bullet = \bullet 5$

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



$15 \div 3 =$  \_\_\_\_\_

Write 166,910 in words.

\_\_\_\_\_

$9,587 + 2,568 =$  \_\_\_\_\_

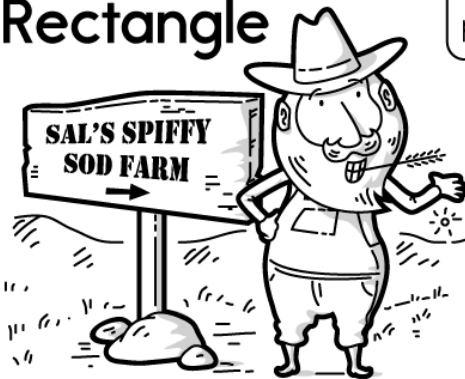
$3 \times 10 =$  \_\_\_\_\_

$120 \div 10 =$  \_\_\_\_\_

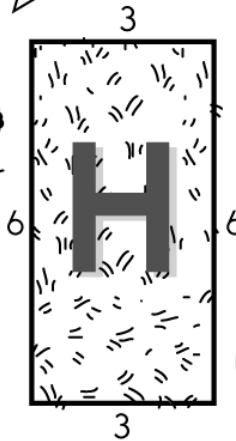


Name: \_\_\_\_\_

# Area of a Rectangle



Right here I have a piece of **ryegrass** sod with a perimeter of 18 units.



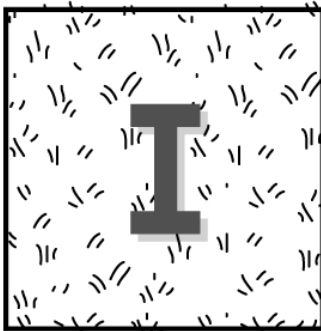
Color the piece of ryegrass that has the largest area.



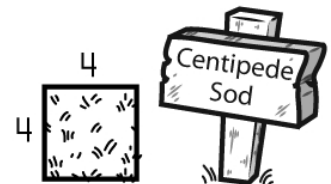
Draw and label a **different** piece of **ryegrass** sod with a perimeter of 18 units.



Sal has a square piece of Sweet St. Augustine sod that has a perimeter of 36 units. What is the area?



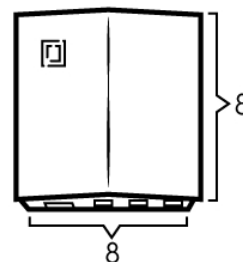
\_\_\_\_\_ units<sup>2</sup>



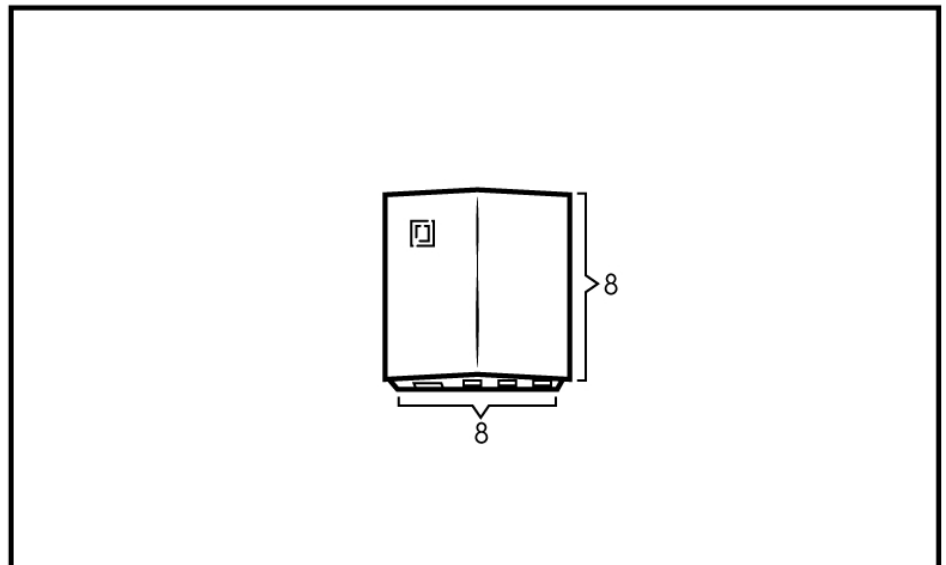
Sal's Spiffy Sod Farm has been hired to lay sod on the yard below. Find how many 4x4 pieces of **SUPER CENTIPEDE** sod Sal needs to cover the yard.

40

24



pieces of  
centipede  
sod



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

$$29 + 93 =$$

$$\begin{array}{r} 37 \\ + 824 \\ \hline \end{array}$$

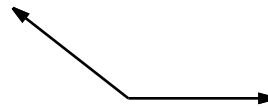
$$\begin{array}{r} 67 \\ + 96 \\ \hline \end{array}$$

Write the ratio as a fraction in lowest terms.  
8 dogs to 47 cats

Find 76% of 6.

92 is what % of 100?

Sketch 2 lines  $\overleftrightarrow{EF}$  and  $\overleftrightarrow{XY}$  that are parallel.



What kind of angle is this?

$$3 - 4 - 2 =$$

$$19 - 12 = \underline{\quad}$$

Rewrite  $16 - 13$

$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

$$19 + -12 = \underline{\quad}$$

What is the sum of 18.7 and 8.1?

$$0.93 + 5.4 =$$

What is the sum of 6.5 and 5.1?

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

Rewrite  $\frac{2}{25}$  as a decimal.

Each side of a regular pentagon is 59.7 centimeters. What is the perimeter?

What is the greatest common factor of the numbers 28 and 56?

Rewrite  $\frac{73}{100}$  as a decimal.

$$60 \div 10 - 6$$

$$0.8 \times 0.09$$

$9 \times 9 \times 9 \times 9 = Z^y$   
What is the value of Z and y?

If  $x = 7$  and  $t = -53$  then what is  $12x + 9t + 4t = ?$

In what quadrant would you find the point (10, -4)?

$$\frac{c}{2} + \frac{3}{5} = 1\frac{1}{10}$$

$c =$

A, 5, 7, A, 5, 7, A, 5,  
7, A, 5, \_\_\_\_\_, A

5, \_\_\_\_\_, 9, 11, 13, 15,  
17, 19, 21, 23

What is the value of y?

$$4y + 12 - 3y = -7$$

$$0.5 (0.7 (0.5 + 9)) =$$

$$|77| \times [-64] =$$

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

The weatherperson said that there is a 75% chance of snow. The odds are \_\_\_\_\_ to \_\_\_\_\_ that there will be snow.

Peter packs boxes of loose tea into cartons for shipping. Each box measures 4 inches x 3 inches x 9 inches. The cartons are 20 inches x 27 inches x 27 inches. How many boxes of loose tea will fit into each carton?

Emily made a box from poster board. She built a diorama of Amelia's last flight in it. The width (w) of the box was 15 inches. The length of the box was  $7 + (3 \times w)$ . What was the perimeter of the box?

$$4 + 7 \cdot 8 + 4$$

$$|-6| - b = 14$$

$$b =$$

$$18c - 17.9 = 63.1$$

$$c =$$

The gardeners used 5,380 tulips in their landscaping of the Otto Mansion. 15% of the tulips were white, 20% were orange, 25% were red, 15% were yellow, and the rest were mixed colors. How many tulips were mixed colors?

Ava is going to the beach next week. She went to the store to buy some snacks for the trip. Bags of the snacks she likes were on sale at 3 for \$2.37. She bought 6 bags. How much did she pay?

Eric is in charge of laying out the sports pages for the school yearbook. He can use small, medium, or large pictures and place them horizontally or vertically. Draw a tree diagram to illustrate the number of choices he has.

$$66 \div 11 = \underline{\hspace{2cm}}$$

$$36 \div 4 = \underline{\hspace{2cm}}$$

Circle the digit in the tenths place.

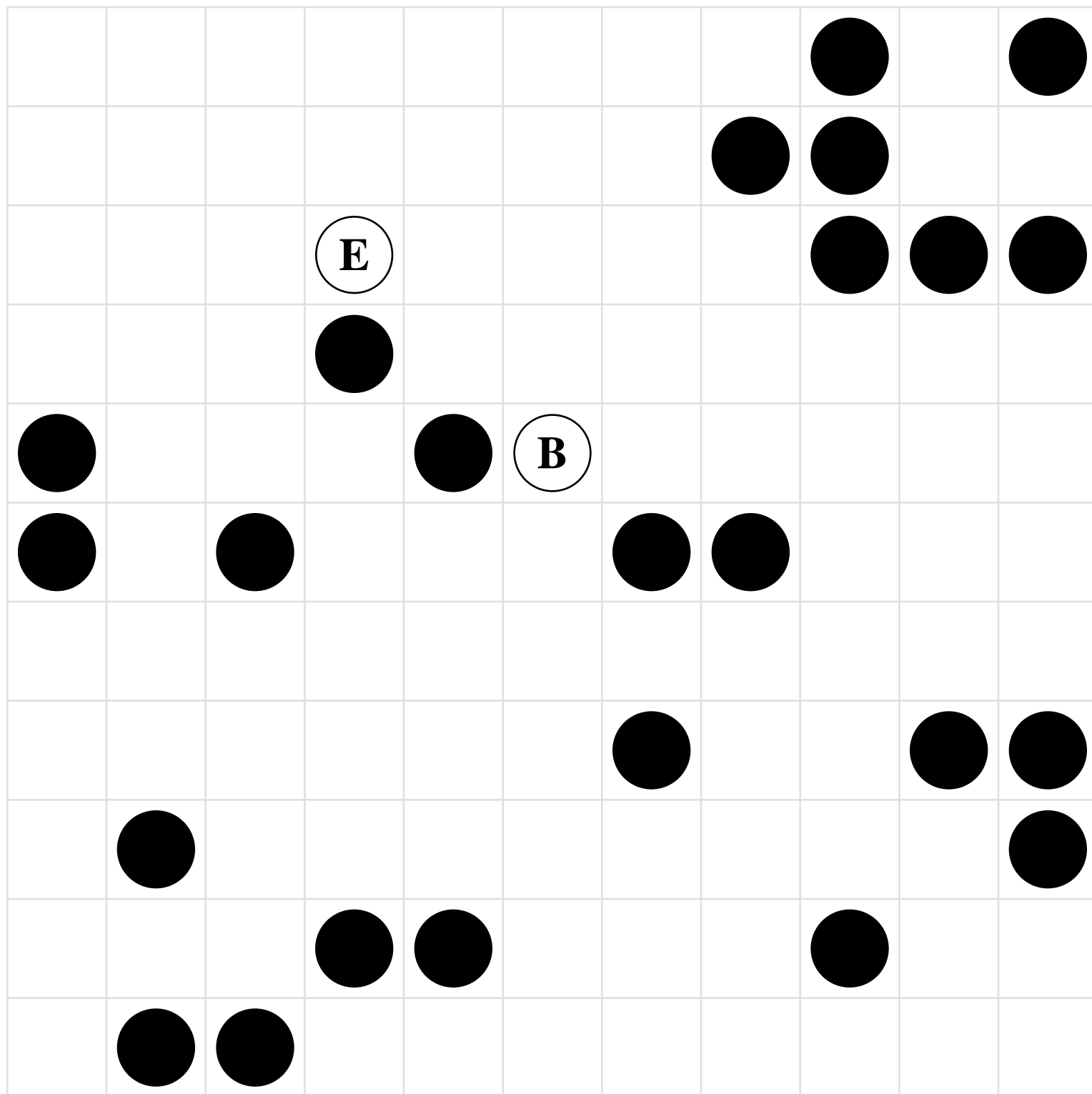
75.7391

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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x  
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- ÷  
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