

**CSMP Mathematics  
for the  
Upper Primary Grades  
Part III**

**Worksheets**

# What's In This Book?

This book contains all the worksheets you will need for *CSMP for the Upper Primary Grades, Part III*. Worksheets are labeled with the same letter and number as the lessons with which they are used. In this book, they are in the following order:

## **N** Worksheets

N1	N19	N29
N6	N22	N33
N9	N24	N34
N16	N25	N36
N18		

## **L** Worksheets

L2	L11	L14
L7	L13	L16
L9		

## **G** Worksheets

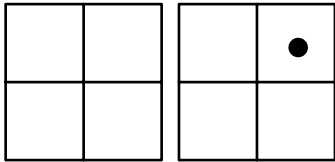
G1	G5	G9
G2	G6	G10
G4	G7	G11

## **W** Worksheets

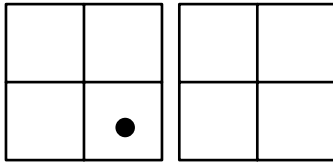
W1	W15	W18
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Name \_\_\_\_\_

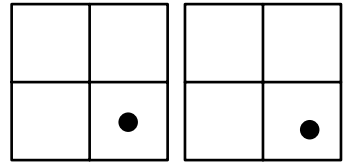
What number is on the Minicomputer?



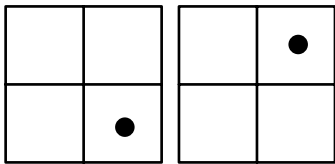
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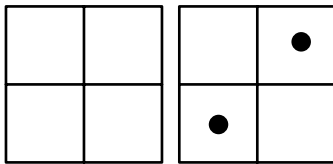
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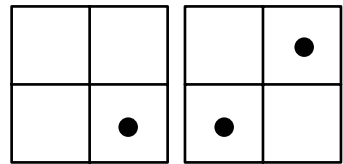
\_\_\_\_\_



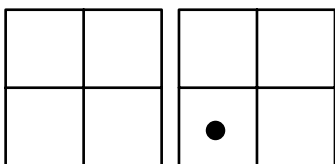
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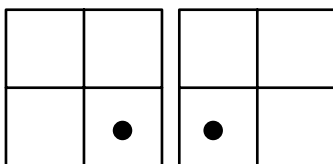
\_\_\_\_\_



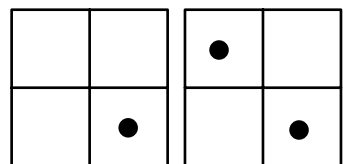
\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

Name \_\_\_\_\_

N1    \*\*

Put these numbers on the Minicomputer.


**3    4**


**5    8**


**7    0**


**6    9**


**9    3**


**3    7**


**5    6**

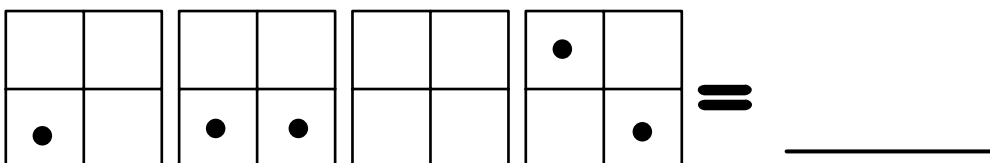
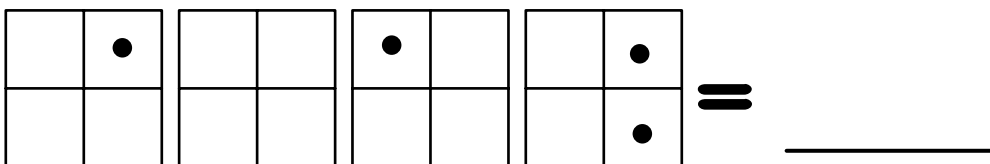
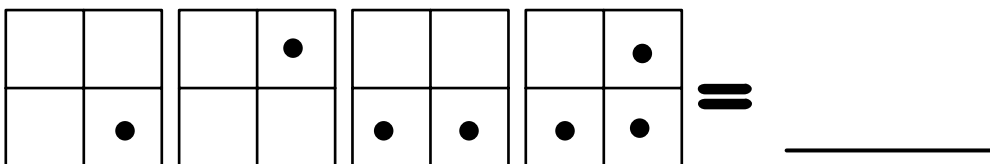
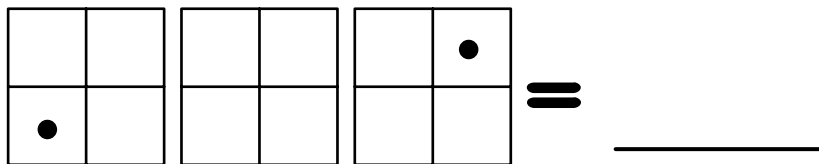
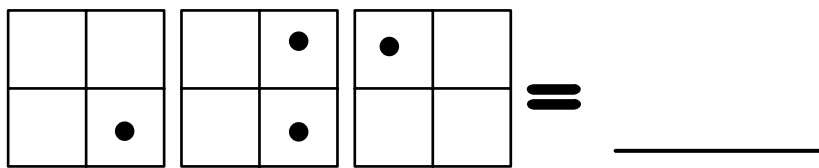
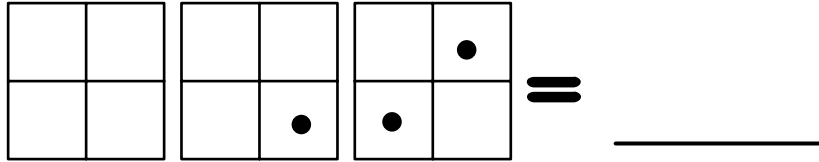

**7    5**

Name \_\_\_\_\_

N1

\*\*\*

What number is on the Minicomputer?



Name \_\_\_\_\_

N1

\*\*\*\*

Put each number on the ones board of the Minicomputer.

$9 =$ 


$19 =$ 


$16 =$ 


$25 =$ 


$7 =$ 


$30 =$ 


$10 =$ 


$51 =$ 


$15 =$ 


$37 =$ 

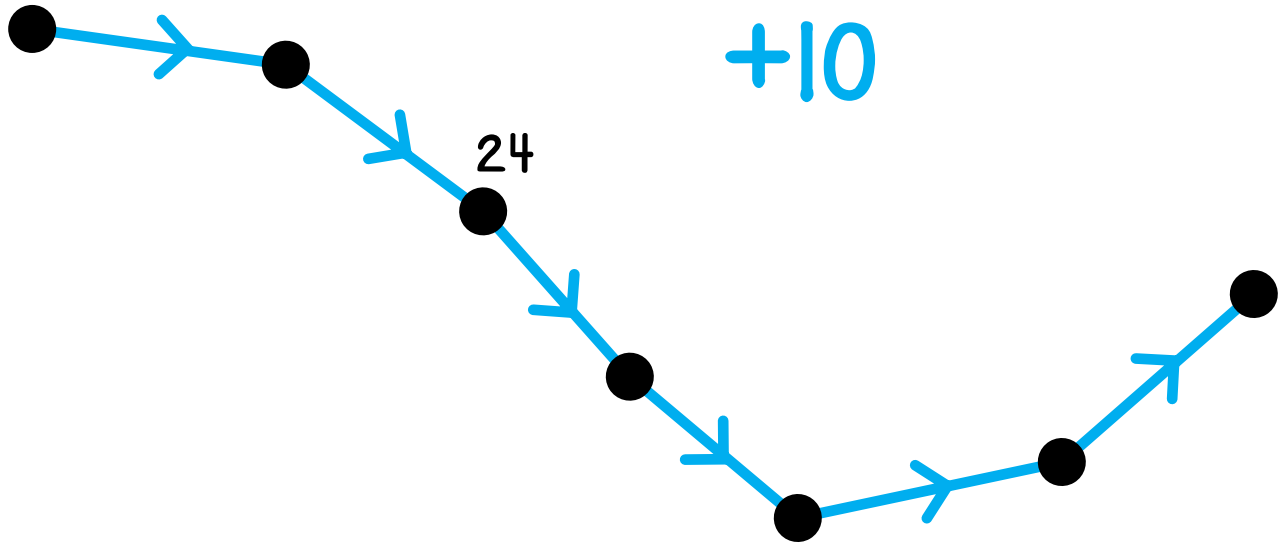

$12 =$ 


$55 =$ 


Name \_\_\_\_\_

N6 \*

Label the dots.



Complete.

$$\begin{array}{r} 64 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 94 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 124 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 244 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 41 \\ + 10 \\ \hline \end{array}$$

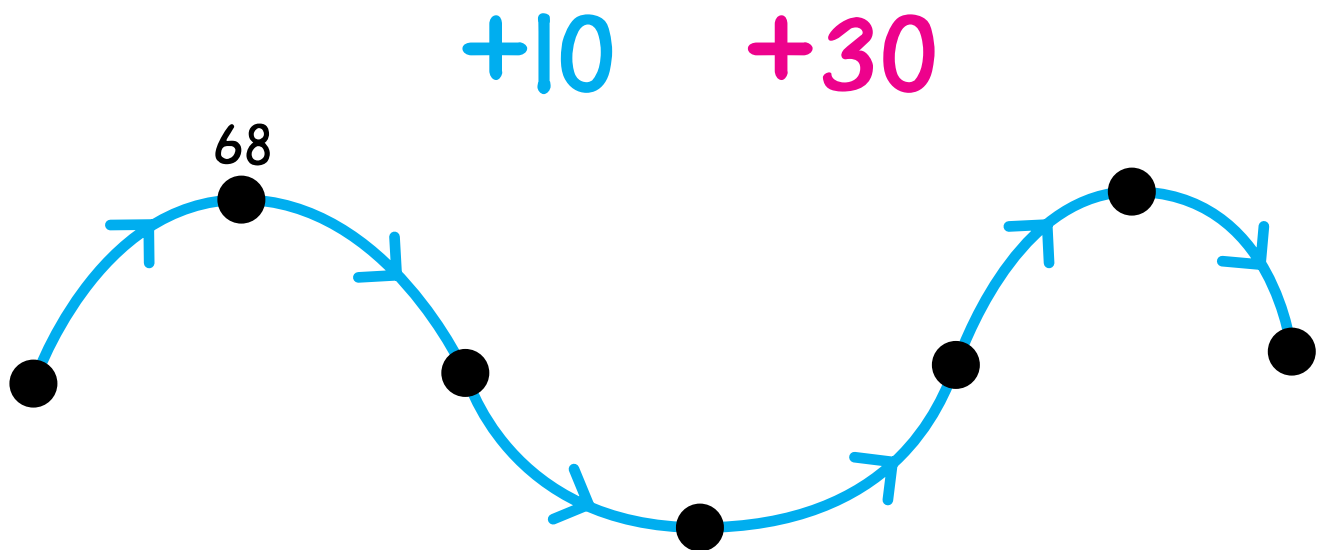
$$\begin{array}{r} 105 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 128 \\ + 10 \\ \hline \end{array}$$

Name \_\_\_\_\_

N6    \*\*

Label the dots. Draw +30 arrows in red.



Complete.

$$\begin{array}{r} 98 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 68 \\ + 30 \\ \hline \end{array}$$

$$\begin{array}{r} 118 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 88 \\ + 30 \\ \hline \end{array}$$

$$\begin{array}{r} 198 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ + 30 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ + 20 \\ \hline \end{array}$$

$$\begin{array}{r} 75 \\ + 30 \\ \hline \end{array}$$

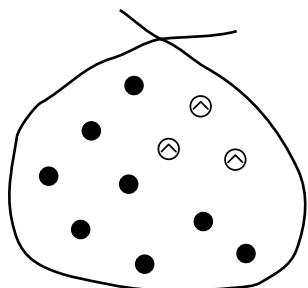


Name \_\_\_\_\_

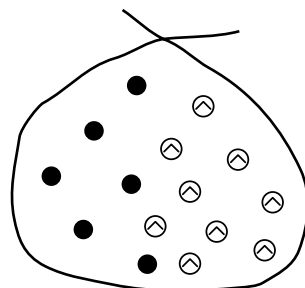
N9

\*

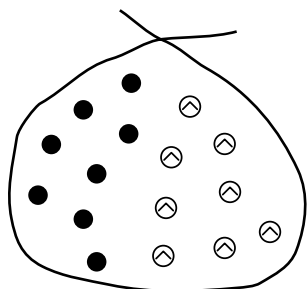
Complete.



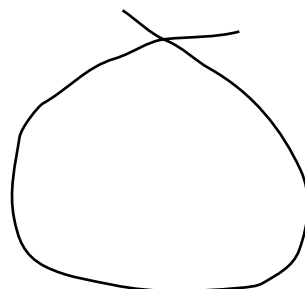
$$8 + \hat{3} = \underline{\quad}$$



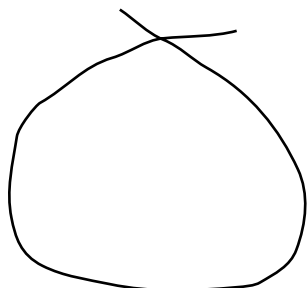
$$6 + \hat{9} = \underline{\quad}$$



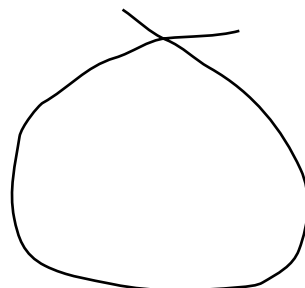
$$\hat{8} + 8 = \underline{\quad}$$



$$15 + \hat{7} = \underline{\quad}$$



$$12 + \hat{5} = \underline{\quad}$$

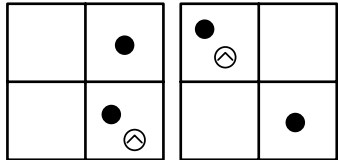


$$\hat{10} + 3 = \underline{\quad}$$

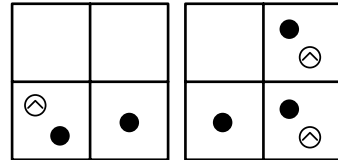
Name \_\_\_\_\_

N9 \*\*

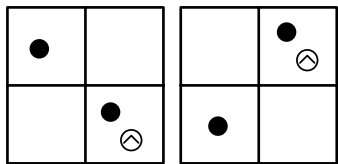
Complete.



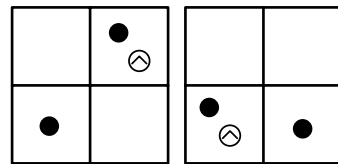
$$59 + 18 = \underline{\hspace{2cm}}$$



$$37 + 25 = \underline{\hspace{2cm}}$$



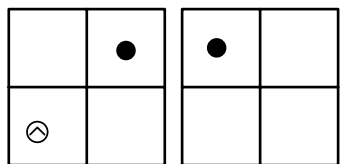
$$96 + 14 = \underline{\hspace{2cm}}$$



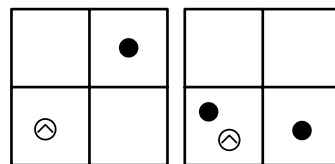
$$63 + 42 = \underline{\hspace{2cm}}$$

Name \_\_\_\_\_

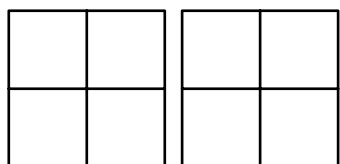
Complete.



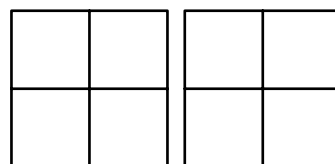
$$48 + \widehat{20} = \underline{\hspace{2cm}}$$



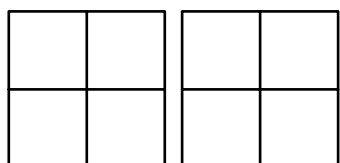
$$43 + \widehat{22} = \underline{\hspace{2cm}}$$



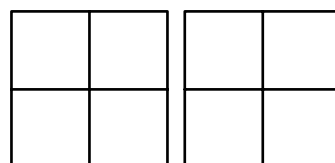
$$24 + \widehat{10} = \underline{\hspace{2cm}}$$



$$57 + \widehat{23} = \underline{\hspace{2cm}}$$



$$39 + \widehat{14} = \underline{\hspace{2cm}}$$



$$30 + \widehat{28} = \underline{\hspace{2cm}}$$

Name \_\_\_\_\_

N9

\*\*\*\*

Complete.


$$46 + \widehat{21} = \underline{\hspace{2cm}}$$


$$63 + \widehat{18} = \underline{\hspace{2cm}}$$


$$59 + \widehat{24} = \underline{\hspace{2cm}}$$


$$70 + \widehat{26} = \underline{\hspace{2cm}}$$


$$95 + \widehat{43} = \underline{\hspace{2cm}}$$


$$80 + \widehat{37} = \underline{\hspace{2cm}}$$

Name \_\_\_\_\_

N16(a)

## Silver Spring to Wells

1. Silver Spring to Ely to Wells is \_\_\_\_\_ km.

Show your work in this box.

2. Silver Spring to Carson City to Reno to Winnemucca to Wells is \_\_\_\_\_ km.

Show your work in this box.

3. Which route is shorter? \_\_\_\_\_

How much shorter? \_\_\_\_\_

Name \_\_\_\_\_

N16(b)

## Las Vegas to Wells

1. Las Vegas to Ely to Wells is \_\_\_\_\_ km.

Show your work in this box.

## Las Vegas to Silver Spring

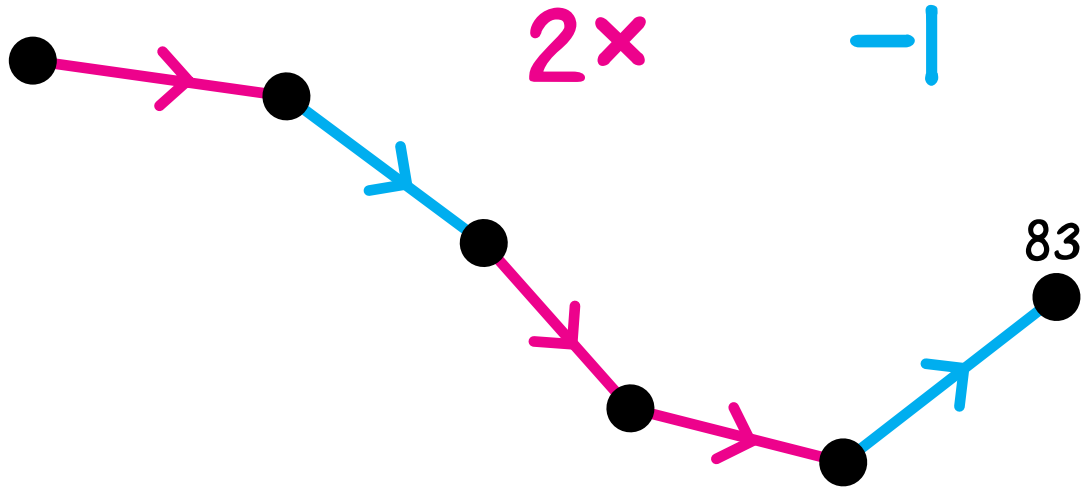
2. Las Vegas to Tenopah to Silver Spring is \_\_\_\_\_ km.

Show your work in this box.

3. Which city is closer to Las Vegas—Wells or Silver Spring? \_\_\_\_\_ How much closer? \_\_\_\_\_

Name \_\_\_\_\_

Label the dots.



Complete.

$2 \times 15 = \underline{\hspace{2cm}}$

$\frac{1}{2} \times 32 = \underline{\hspace{2cm}}$

$2 \times 25 = \underline{\hspace{2cm}}$

$\frac{1}{2} \times 52 = \underline{\hspace{2cm}}$

$2 \times 35 = \underline{\hspace{2cm}}$

$\frac{1}{2} \times 72 = \underline{\hspace{2cm}}$

Name \_\_\_\_\_

Complete. Use the box to show how you did the calculation.

$$\begin{array}{r} 66 \\ \times 2 \\ \hline \end{array}$$

$\frac{1}{2} \times 38 = \underline{\hspace{2cm}}$

$2 \times 78 = \underline{\hspace{2cm}}$

$\frac{1}{2} \times 112 = \underline{\hspace{2cm}}$

$$\begin{array}{r} 155 \\ \times 2 \\ \hline \end{array}$$



Name \_\_\_\_\_

N19(a)

Find the missing number.

$$\begin{array}{r} 235 \\ + \\ \hline 377 \end{array}$$

$$\begin{array}{r} 504 \\ + \\ \hline 568 \end{array}$$

$$\begin{array}{r} 464 \\ + 328 \\ \hline \end{array}$$

$$\begin{array}{r} 1,059 \\ + \\ \hline 5,781 \end{array}$$

$$\begin{array}{r} + 43 \\ \hline 78 \end{array}$$

$$\begin{array}{r} 246 \\ + \\ \hline 287 \end{array}$$

$$\begin{array}{r} 58 \\ + \\ \hline 94 \end{array}$$

$$\begin{array}{r} 425 \\ + \\ \hline 541 \end{array}$$

$$\begin{array}{r} 1,294 \\ + 555 \\ \hline \end{array}$$

$$\begin{array}{r} 790 \\ + \\ \hline 805 \end{array}$$

$$\begin{array}{r} + 366 \\ \hline 473 \end{array}$$

$$\begin{array}{r} 828 \\ + \\ \hline 902 \end{array}$$

Name \_\_\_\_\_

N19(b)

Fill in the boxes.

$$\begin{array}{r} 23\Box \\ + 1\Box6 \\ \hline 359 \end{array}$$

$$\begin{array}{r} 4\Box7 \\ + 23\Box \\ \hline 698 \end{array}$$

$$\begin{array}{r} 1,\Box30 \\ + 3,5\Box8 \\ \hline 4,67\Box \end{array}$$

$$\begin{array}{r} 6\Box \\ + 35 \\ \hline 100 \end{array}$$

$$\begin{array}{r} 1\Box4 \\ + 6\Box \\ \hline \Box08 \end{array}$$

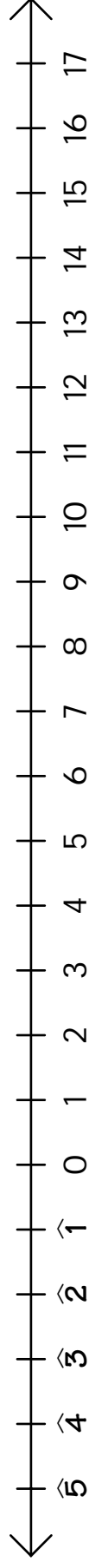
$$\begin{array}{r} 3\Box\Box \\ + \Box17 \\ \hline 532 \end{array}$$

$$\begin{array}{r} \Box\Box3 \\ + 7\Box \\ \hline 548 \end{array}$$

$$\begin{array}{r} 9\Box5 \\ + 6\Box \\ \hline \Box71 \end{array}$$

$$\begin{array}{r} \Box72 \\ + 1\Box9 \\ \hline 40\Box \end{array}$$

Name \_\_\_\_\_



Complete.

$$16 - 10 = \underline{\quad\quad}$$
$$10 - 10 = \underline{\quad\quad}$$

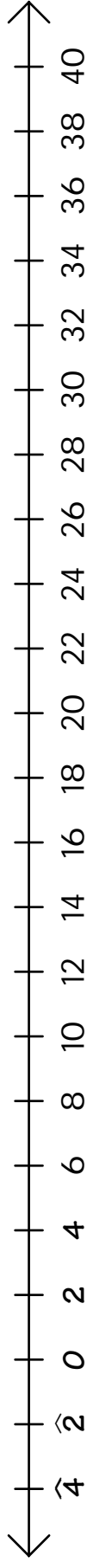
$$11 - 10 = \underline{\quad\quad}$$
$$9 - 10 = \underline{\quad\quad}$$

$$13 - 10 = \underline{\quad\quad}$$
$$5 - 10 = \underline{\quad\quad}$$

$$17 - 10 = \underline{\quad\quad}$$
$$7 - 10 = \underline{\quad\quad}$$

$$12 - 10 = \underline{\quad\quad}$$
$$6 - 10 = \underline{\quad\quad}$$

Name \_\_\_\_\_



Complete.

$$40 - 10 = \underline{\quad\quad} \quad 28 - 10 = \underline{\quad\quad} \quad 29 - 10 = \underline{\quad\quad}$$

$$24 - 10 = \underline{\quad\quad} \quad 27 - 10 = \underline{\quad\quad} \quad 38 - 10 = \underline{\quad\quad}$$

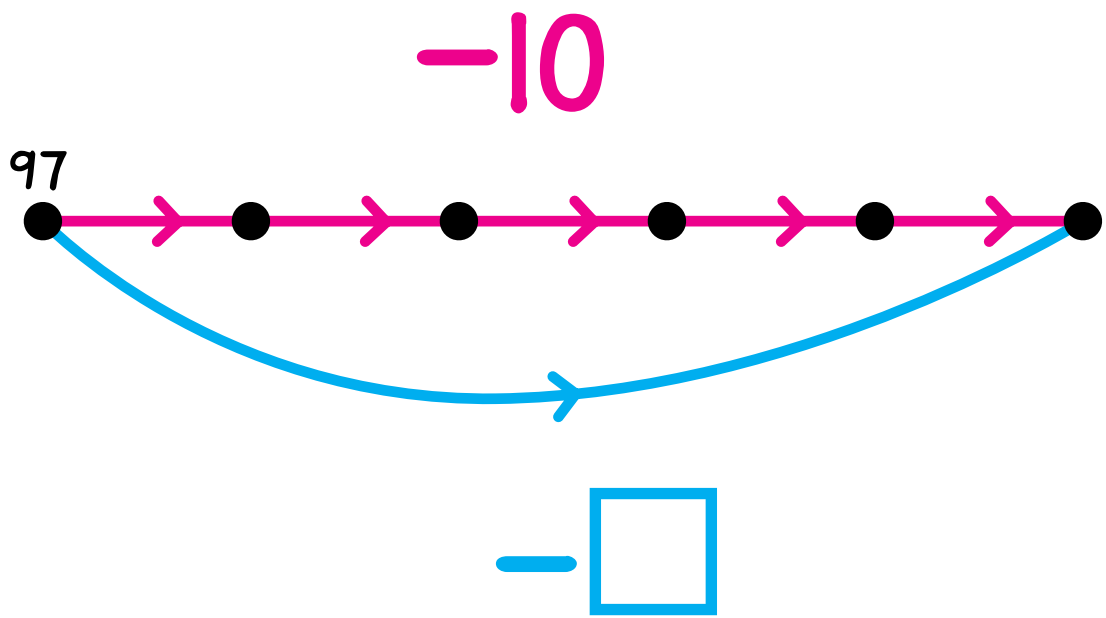
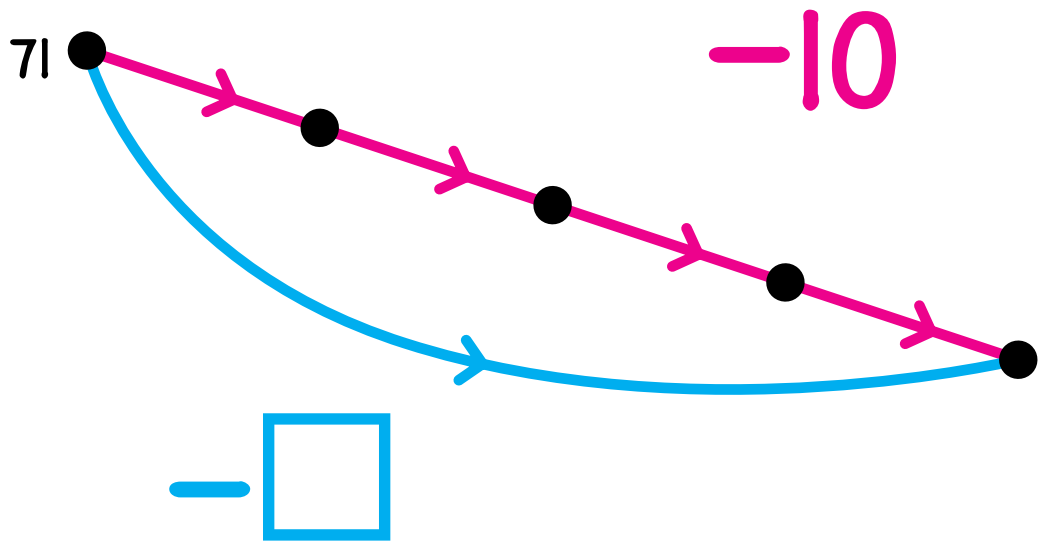
$$32 - 10 = \underline{\quad\quad} \quad 26 - 10 = \underline{\quad\quad} \quad 38 - 20 = \underline{\quad\quad}$$

$$18 - 10 = \underline{\quad\quad} \quad 25 - 10 = \underline{\quad\quad} \quad 38 - 30 = \underline{\quad\quad}$$

$$36 - 10 = \underline{\quad\quad} \quad 21 - 10 = \underline{\quad\quad} \quad 38 - 40 = \underline{\quad\quad}$$

Name \_\_\_\_\_

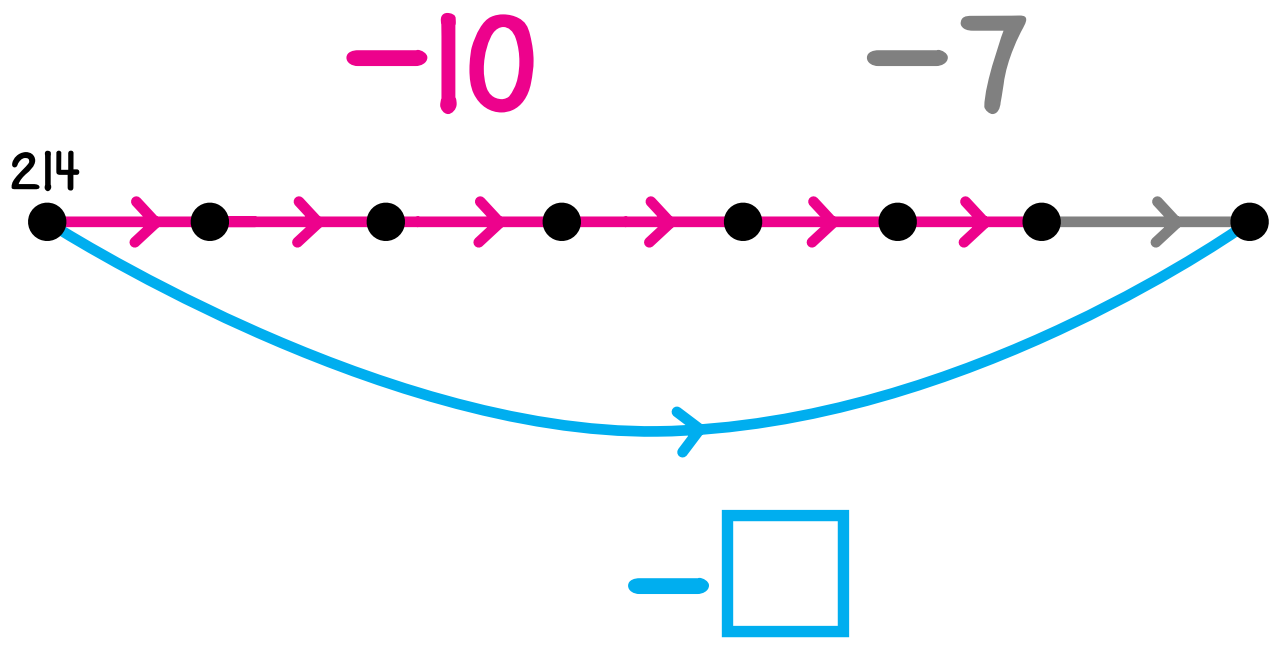
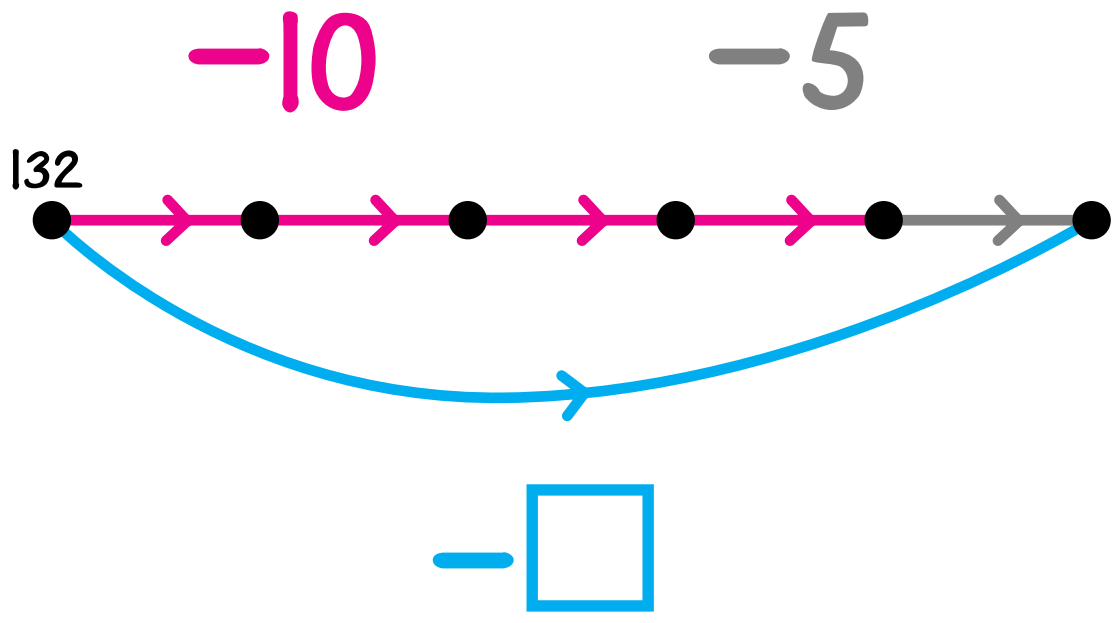
Label the dots. Fill in the box for each blue arrow.



Name \_\_\_\_\_

N22 \*\*\*\*\*

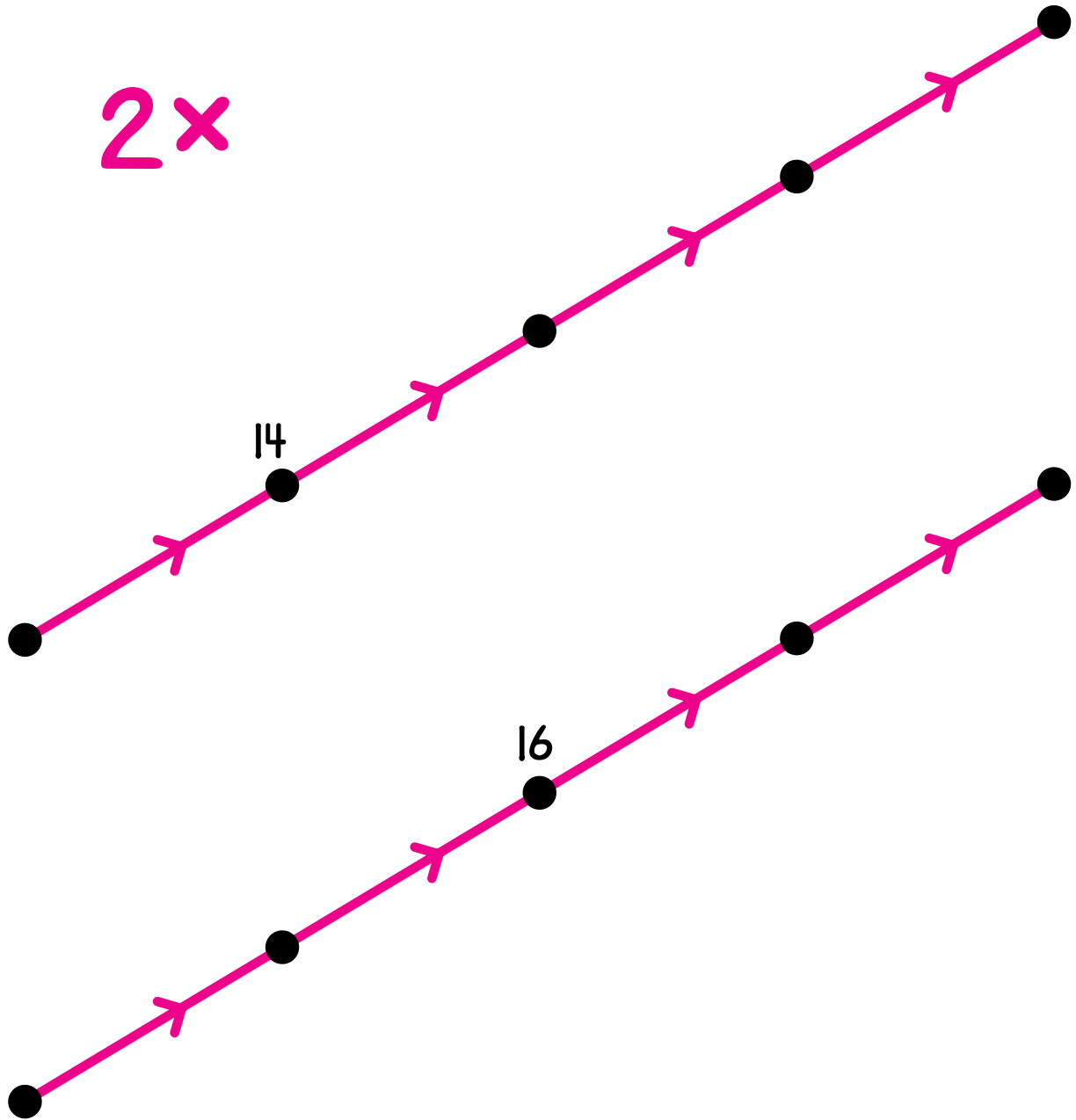
Label the dots. Fill in the box for each blue arrow.



Name \_\_\_\_\_

N24 \*

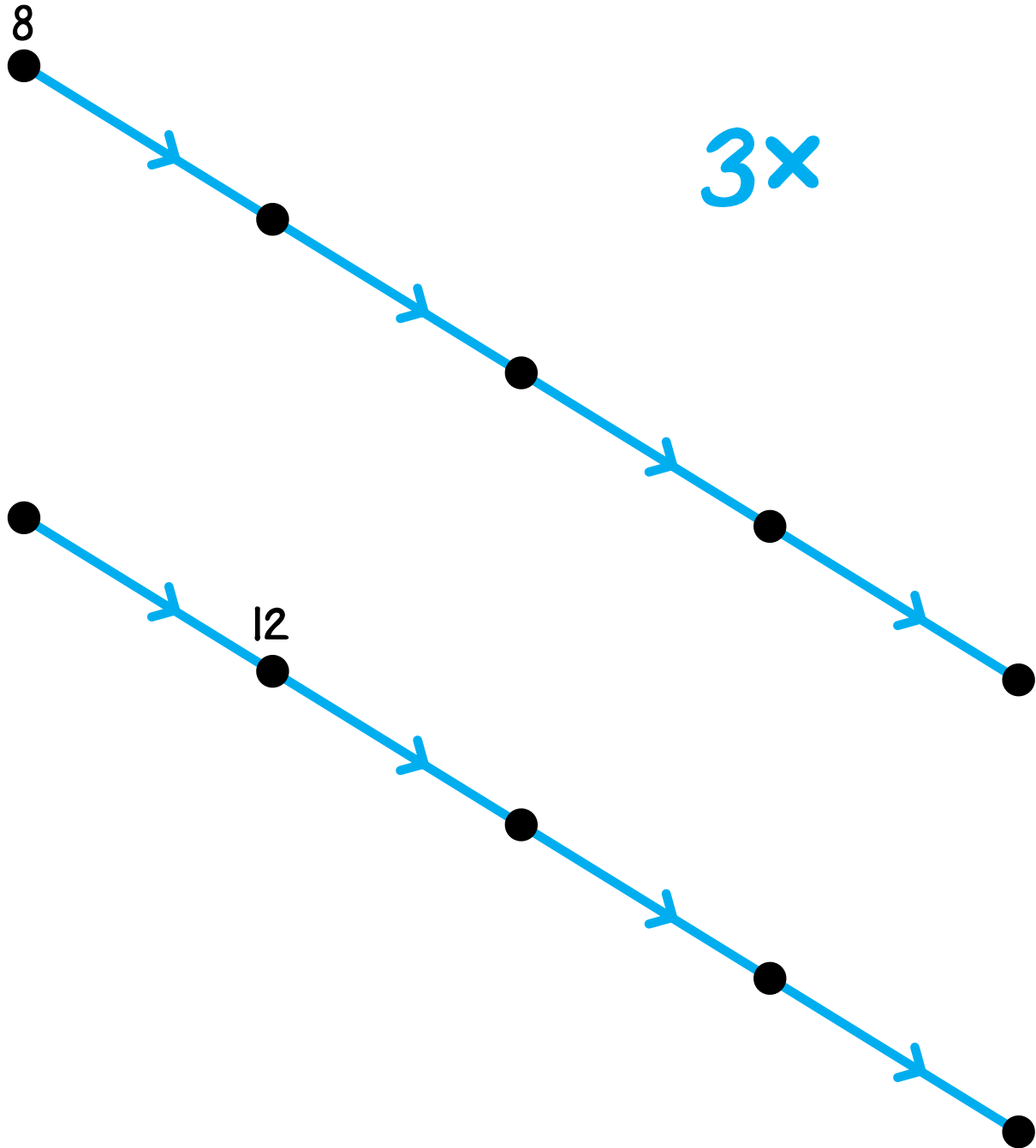
Label the dots.



Name \_\_\_\_\_

N24 \*\*

Label the dots.





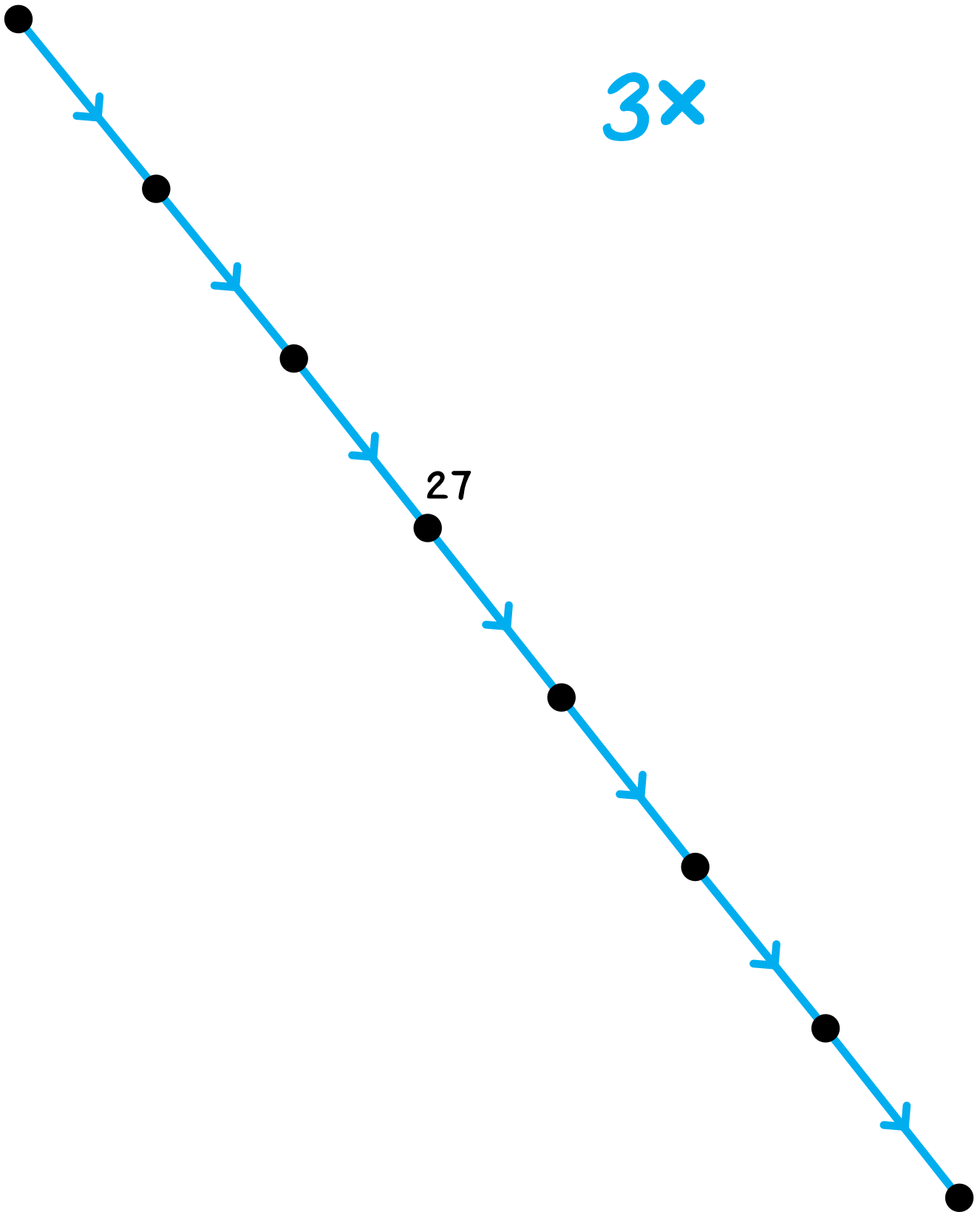
Name \_\_\_\_\_

N24

\*\*\*

Label the dots.

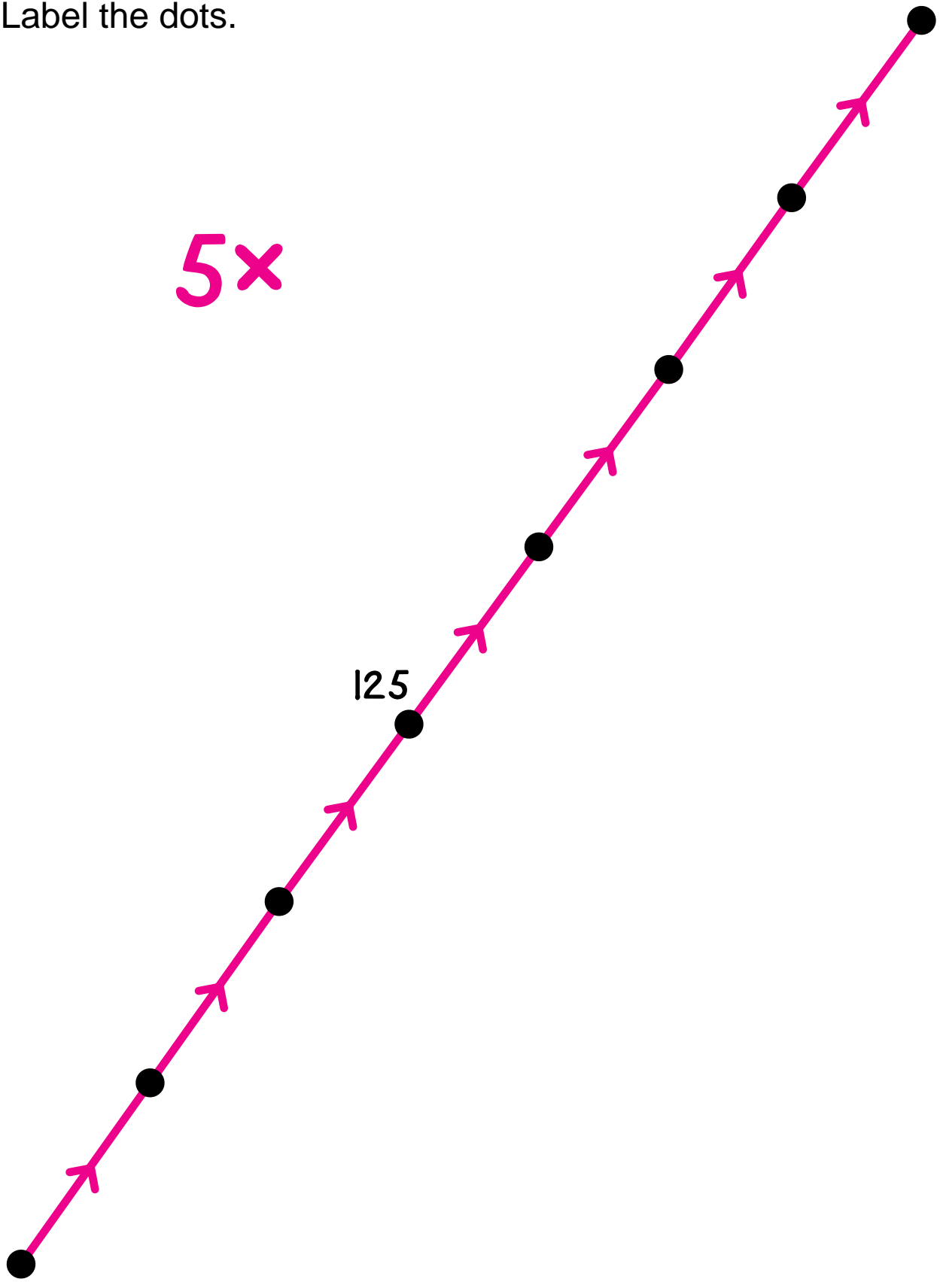
3x



Name \_\_\_\_\_

N24 \* \* \* \*

Label the dots.

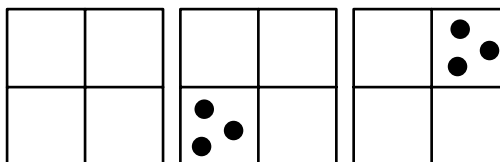




Name \_\_\_\_\_

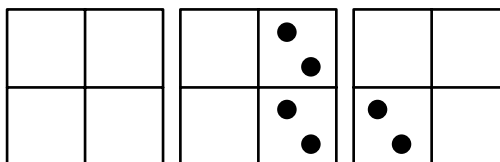
N25 \*\*

1. Find the number of soda bottles in three cartons. One carton has 24 bottles.



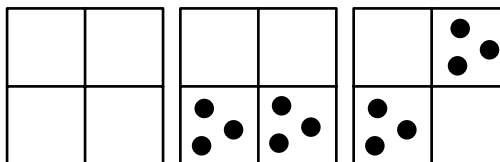
\_\_\_\_\_

2. Find the number of cards in two decks. One deck has 52 cards.



\_\_\_\_\_

3. Find the number of cookies in three packages. One package has 36 cookies.



\_\_\_\_\_

Name \_\_\_\_\_

What number is on the Minicomputer?

		10	

 = \_\_\_\_\_

	10		10
		10	10

 = \_\_\_\_\_

10			

 = \_\_\_\_\_

		10	10

 = \_\_\_\_\_

			10
	10		

 = \_\_\_\_\_

		10	
		10	

 = \_\_\_\_\_

10			10

 = \_\_\_\_\_

		10	
	10	10	

 = \_\_\_\_\_

	10		
	10		

 = \_\_\_\_\_

10			
10			

 = \_\_\_\_\_

Name \_\_\_\_\_

What number is on the Minicomputer?

$$\begin{array}{|c|c|} \hline & \\ \hline & \bullet \\ \hline \end{array} \quad \Bigg| \quad \begin{array}{|c|c|} \hline & \\ \hline \bullet & \bullet \\ \hline \end{array} \quad \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} = \underline{\hspace{2cm}}$$

$$\begin{array}{|c|c|} \hline & \\ \hline \bullet & \\ \hline \end{array} \quad \Bigg| \quad \begin{array}{|c|c|} \hline & \\ \hline & \bullet \\ \hline \end{array} \quad \begin{array}{|c|c|} \hline & \bullet \\ \hline & \\ \hline \end{array} = \underline{\hspace{2cm}}$$

$$\begin{array}{|c|c|} \hline \bullet & \\ \hline & \\ \hline \end{array} \quad \Bigg| \quad \begin{array}{|c|c|} \hline & \bullet \\ \hline & \bullet \\ \hline \end{array} \quad \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array} = \underline{\hspace{2cm}}$$

$$\begin{array}{|c|c|} \hline & \\ \hline & \bullet \\ \hline \end{array} \quad \Bigg| \quad \begin{array}{|c|c|} \hline \bullet & \\ \hline & \\ \hline \end{array} \quad \begin{array}{|c|c|} \hline & \bullet \\ \hline \bullet & \\ \hline \end{array} = \underline{\hspace{2cm}}$$

$$\begin{array}{|c|c|} \hline & \\ \hline \bullet & \\ \hline \end{array} \quad \Bigg| \quad \begin{array}{|c|c|} \hline \bullet & \\ \hline & \bullet \\ \hline \end{array} \quad \begin{array}{|c|c|} \hline & \\ \hline \bullet & \bullet \\ \hline \end{array} = \underline{\hspace{2cm}}$$

Name \_\_\_\_\_

Put three dimes and two pennies on the Minicomputer.


Put three quarters on the Minicomputer.


Put the pictured amount of money on the Minicomputer.










Name \_\_\_\_\_

Put these numbers on the Minicomputer.

5.14 = 





---

21.48 = 





---

7.62 = 





---

3.09 = 





---

0.4 = 





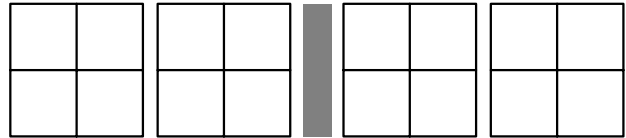
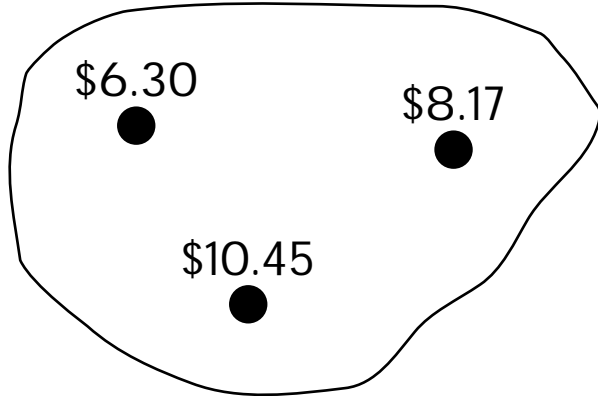


Name \_\_\_\_\_

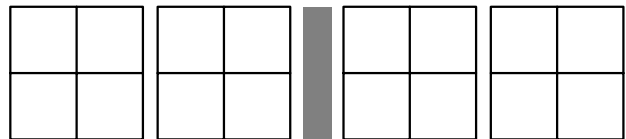
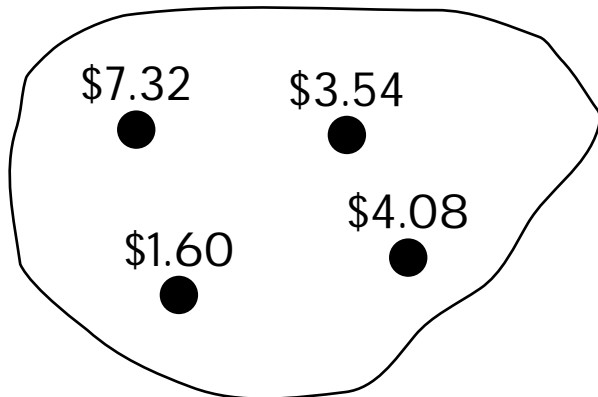
N29

\*\*\*\*

Add the prices in the string.



Total \_\_\_\_\_



Total \_\_\_\_\_

Menu	
Hotdog	\$1.29
Drink	\$0.65
Chips	\$0.59
Ice Cream	\$1.15

Darcy has \$3.00 and buys a hotdog and a drink. How much money does Darcy have left? \_\_\_\_\_

Darcy wants to buy one more item. What could it be? \_\_\_\_\_  
Then how much would Darcy have left? \_\_\_\_\_

Name \_\_\_\_\_

N33(a)

Find the missing number.

$$\begin{array}{r} 403 \\ + \\ \hline 698 \end{array}$$

$$\begin{array}{r} 136 \\ + \\ \hline 172 \end{array}$$

$$\begin{array}{r} 238 \\ + \\ \hline 789 \end{array}$$

$$\begin{array}{r} 425 \\ + \\ \hline 652 \end{array}$$

$$\begin{array}{r} 467 \\ + \\ \hline 892 \end{array}$$

$$\begin{array}{r} 530 \\ + \\ \hline 589 \end{array}$$

$$\begin{array}{r} 250 \\ + \\ \hline 304 \end{array}$$

$$\begin{array}{r} 592 \\ + \\ \hline 856 \end{array}$$

$$\begin{array}{r} 3,457 \\ + \\ \hline 5,084 \end{array}$$

$$\begin{array}{r} 1,576 \\ + \\ \hline 2,301 \end{array}$$

$$\begin{array}{r} 6,908 \\ + \\ \hline 8,120 \end{array}$$

---

Fill in the boxes.

$$\begin{array}{r} 4\Box8 \\ + 13\Box \\ \hline \Box98 \end{array}$$

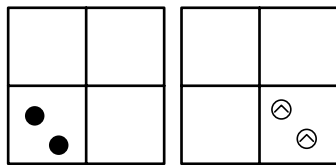
$$\begin{array}{r} 73\Box \\ + \Box6 \\ \hline \Box83 \end{array}$$

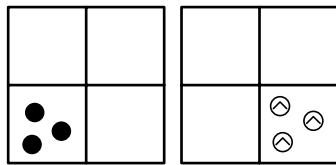
$$\begin{array}{r} \Box72 \\ + 5\Box\Box \\ \hline 906 \end{array}$$

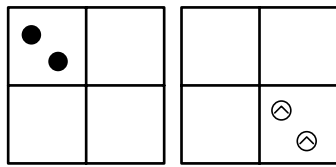
$$\begin{array}{r} 5\Box\Box \\ + 14\Box \\ \hline 700 \end{array}$$

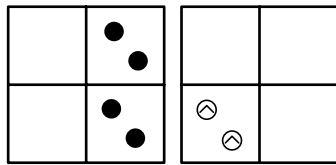
Name \_\_\_\_\_

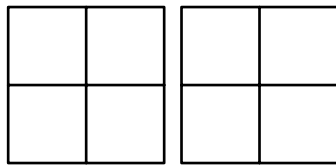
N33(b)

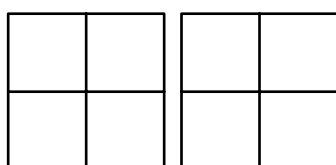
 =  $2 \times 19 =$  \_\_\_\_\_

 =  $3 \times 19 =$  \_\_\_\_\_

 =  $2 \times 79 =$  \_\_\_\_\_

 =  $2 \times 48 =$  \_\_\_\_\_

 =  $2 \times 29 =$  \_\_\_\_\_

 =  $3 \times 29 =$  \_\_\_\_\_

Name \_\_\_\_\_

N34(a)

## Williamsburg to Emporia

What is the shortest route from Williamsburg to Emporia?

Show your work in this box.

Williamsburg to Richmond to Emporia is \_\_\_\_\_ km.

Williamsburg to Norfolk to Emporia is \_\_\_\_\_ km.

Name \_\_\_\_\_

N34(b)

**Wytheville to Washington, D.C.  
or  
Wytheville to Norfolk**

Which city is closer to Wytheville—Washington, D.C.  
or Norfolk?

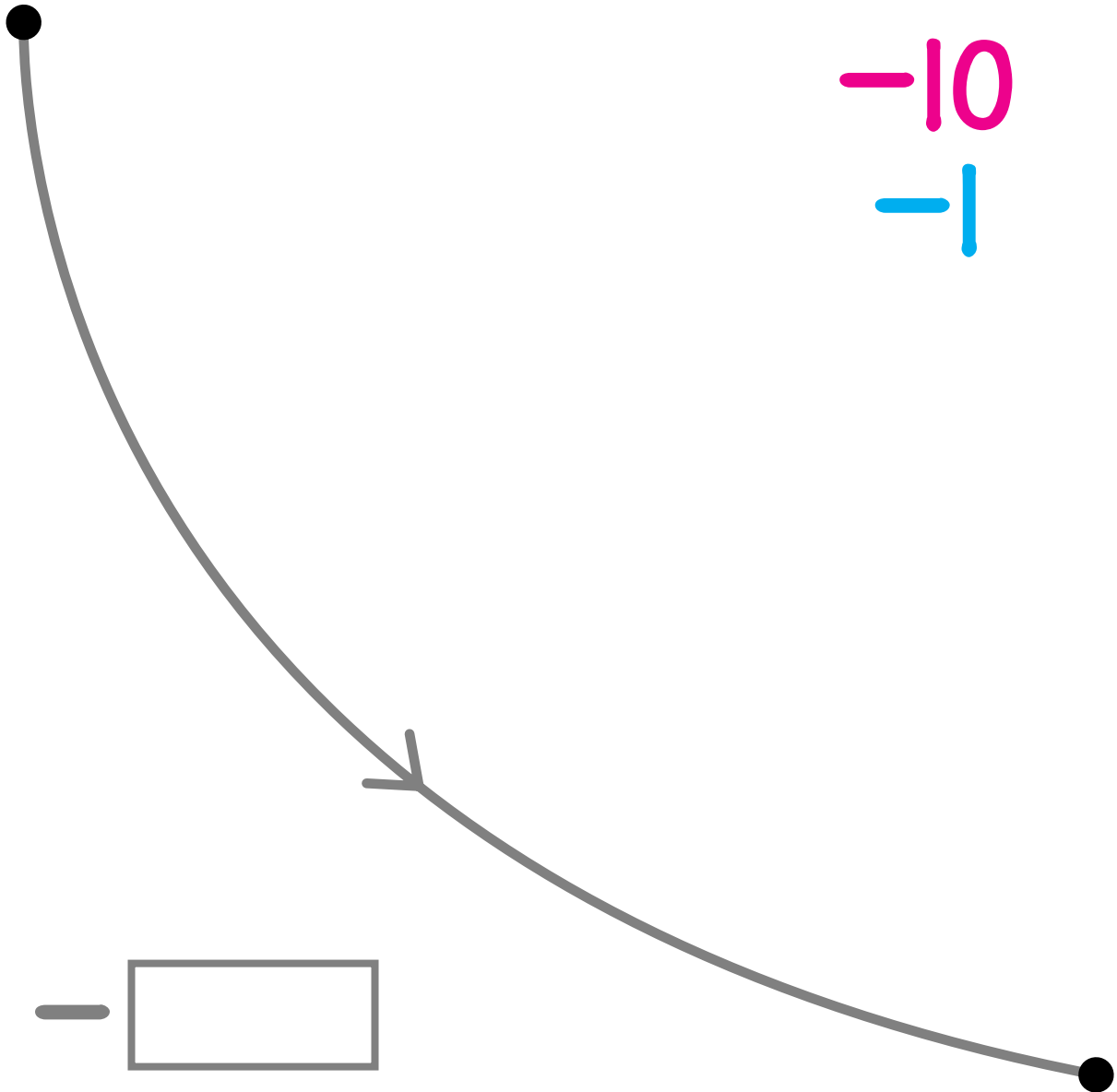
Show your work in this box.

Name \_\_\_\_\_

N36 \*

Build an arrow road from 70 to 38 using  $-10$  and  $-1$  arrows.  
Fill in the box for the gray arrow.

70



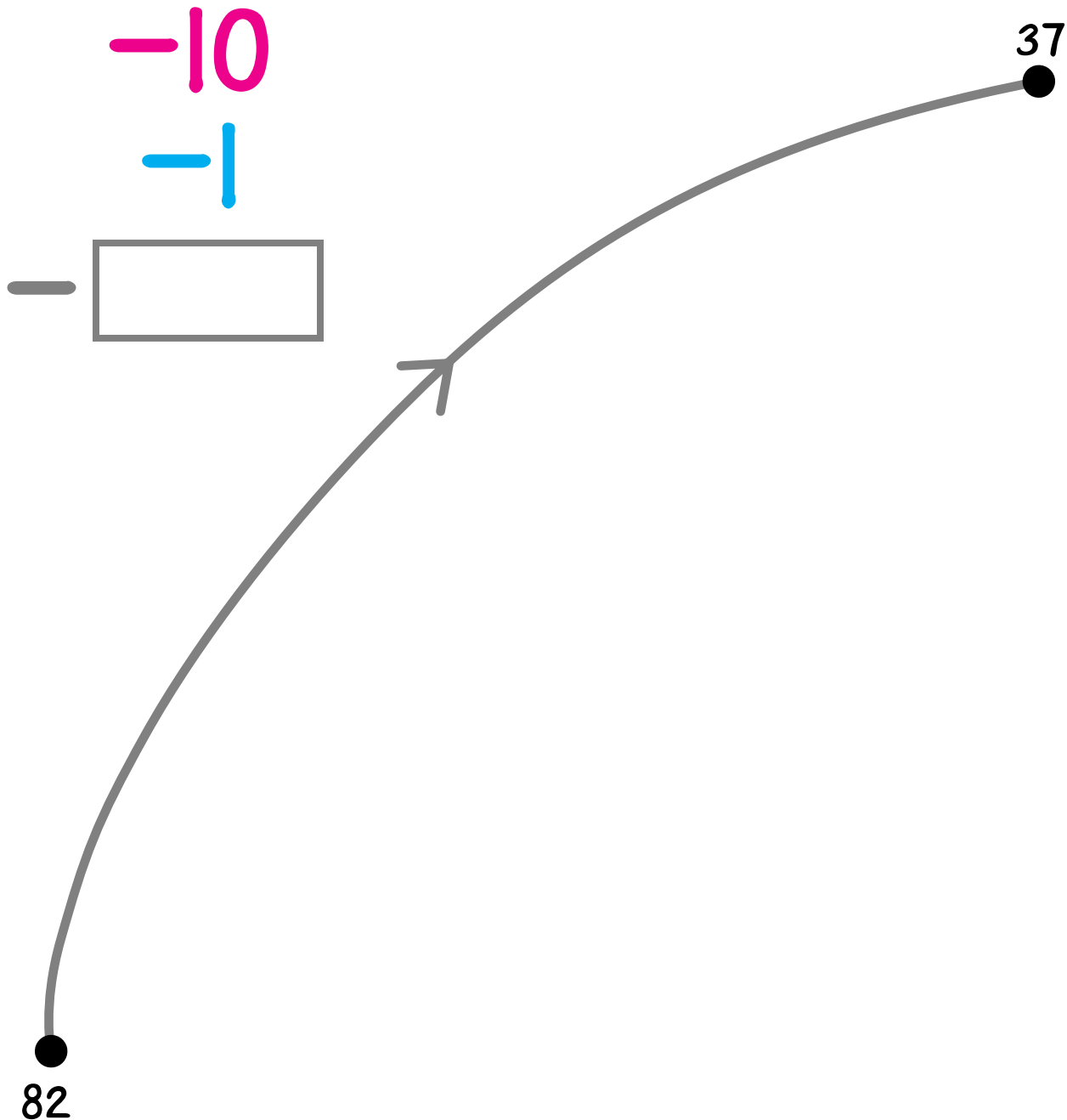
38

Write a calculation shown by the gray arrow.

Name \_\_\_\_\_

N36 \*\*

Build an arrow road from 82 to 37 using  $-10$  and  $-1$  arrows.  
Fill in the box for the gray arrow.

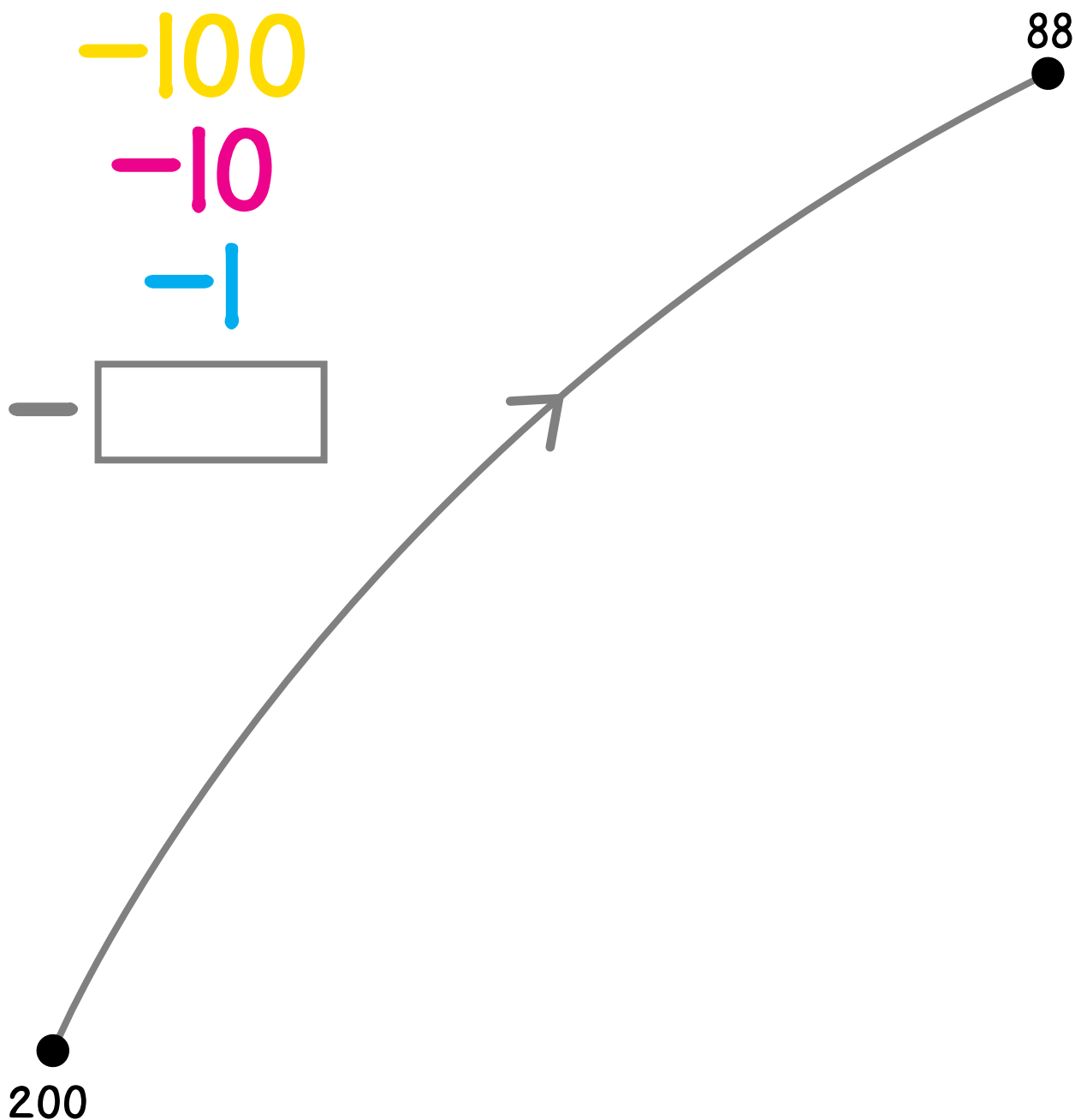


Write a calculation shown by the gray arrow.

Name \_\_\_\_\_

N36 \*\*\*

Build an arrow road from 200 to 88 using  $-100$ ,  $-10$ , and  $-1$  arrows. Fill in the box for the gray arrow.



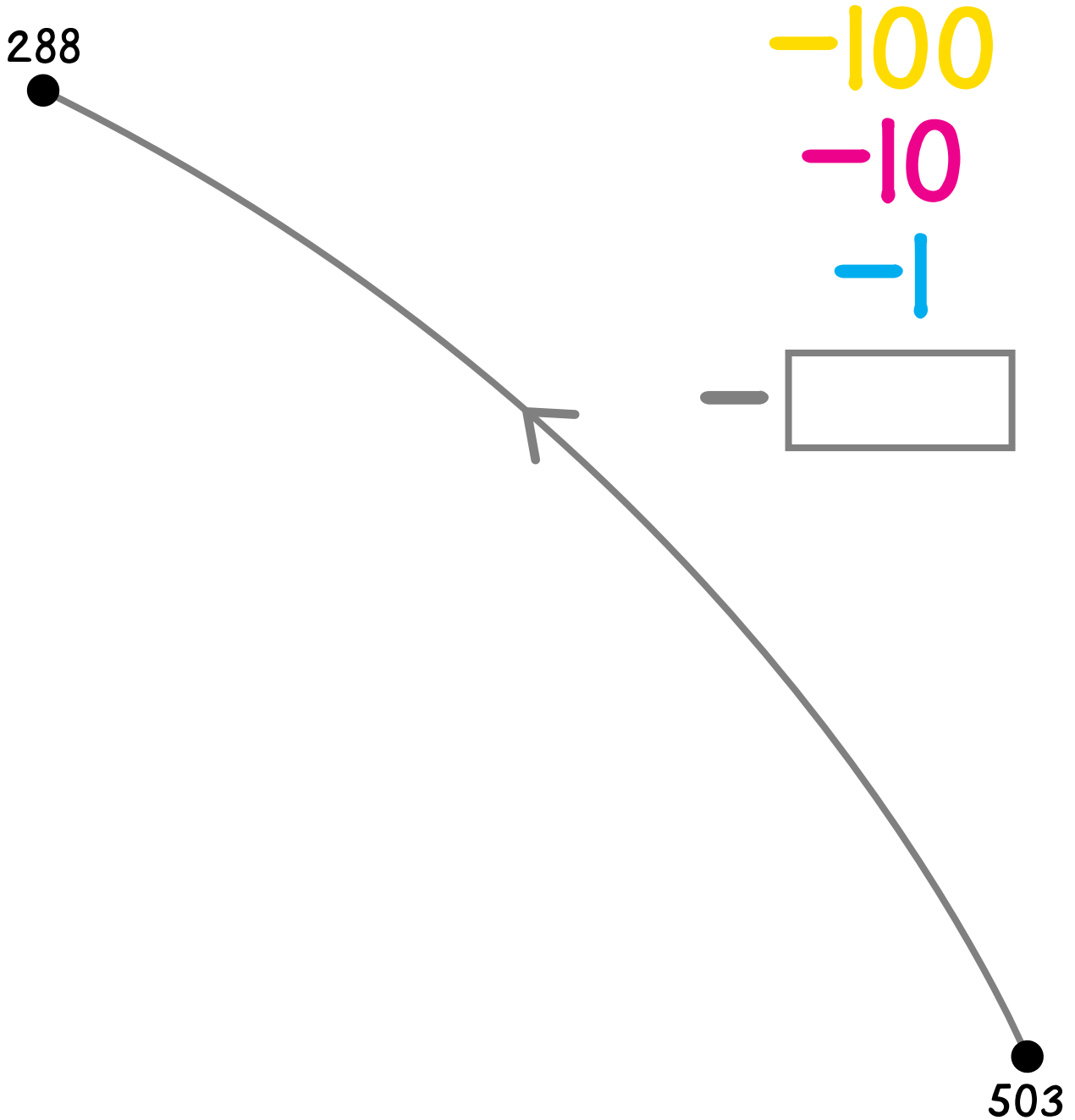
Write a calculation shown by the gray arrow.



Name \_\_\_\_\_

N36 \*\*\*\*

Build an arrow road from 503 to 288 using  $-100$ ,  $-10$ , and  $-1$  arrows. Fill in the box for the gray arrow.

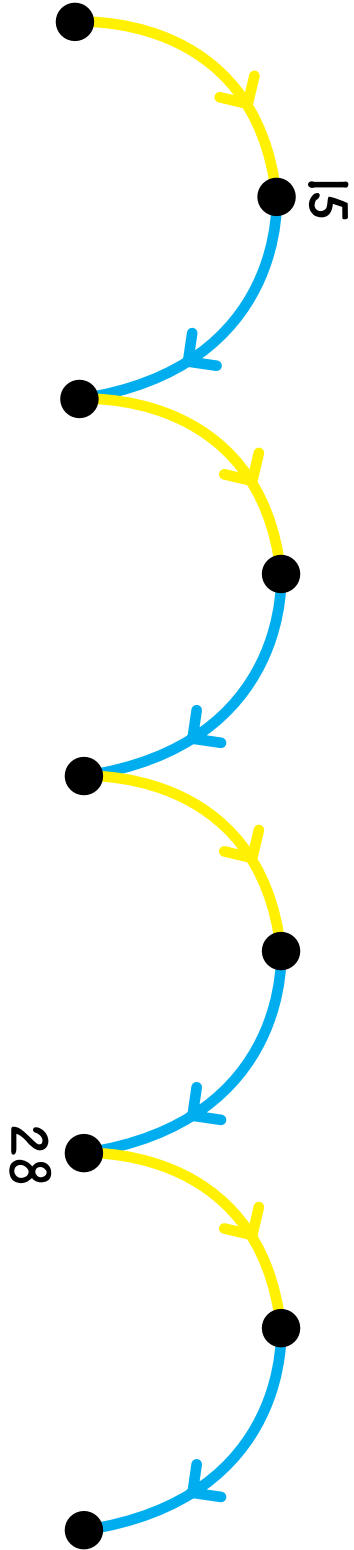
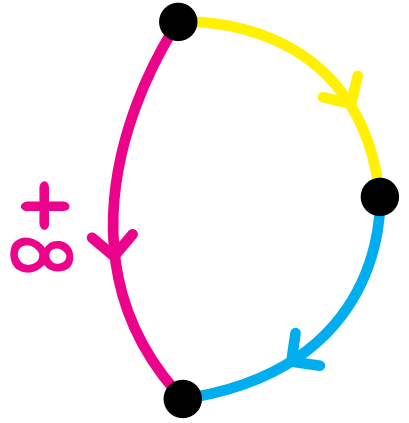


Write a calculation shown by the gray arrow.

Name \_\_\_\_\_

L2(a)

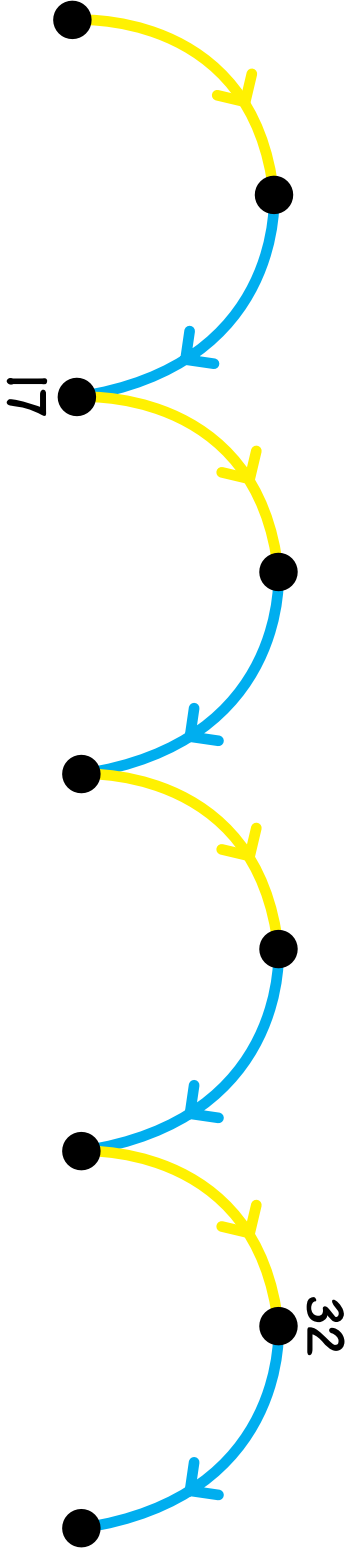
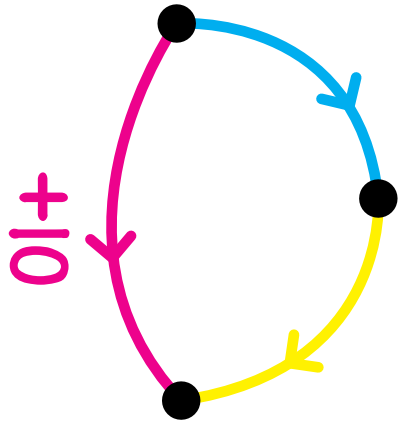
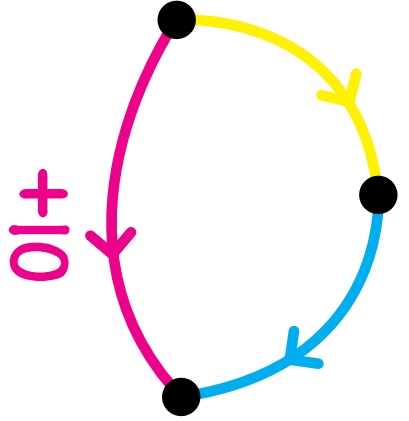
Label the dots.



Name \_\_\_\_\_

L2(b)

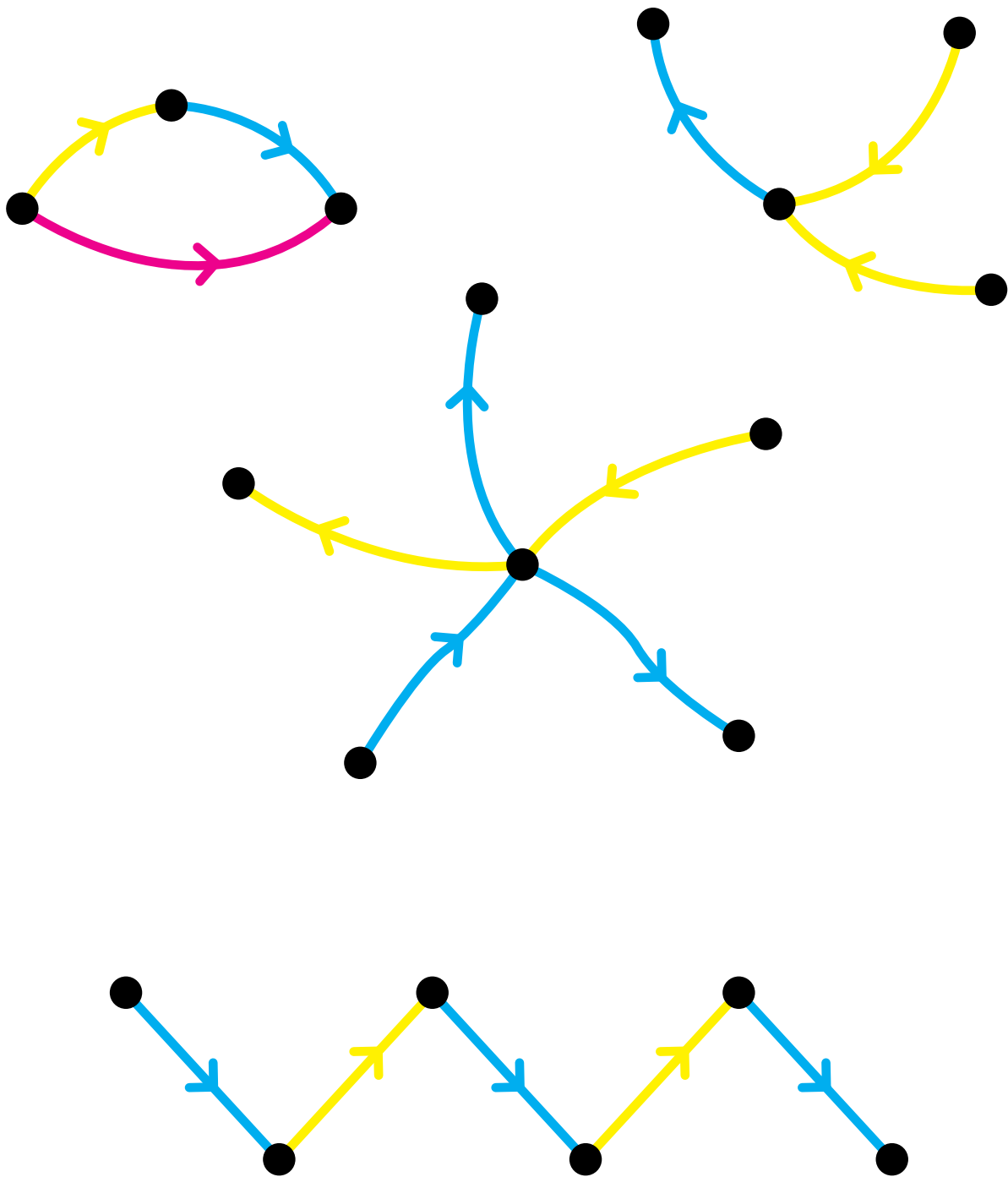
Label the dots and draw red arrows.



Name \_\_\_\_\_

L2 \*

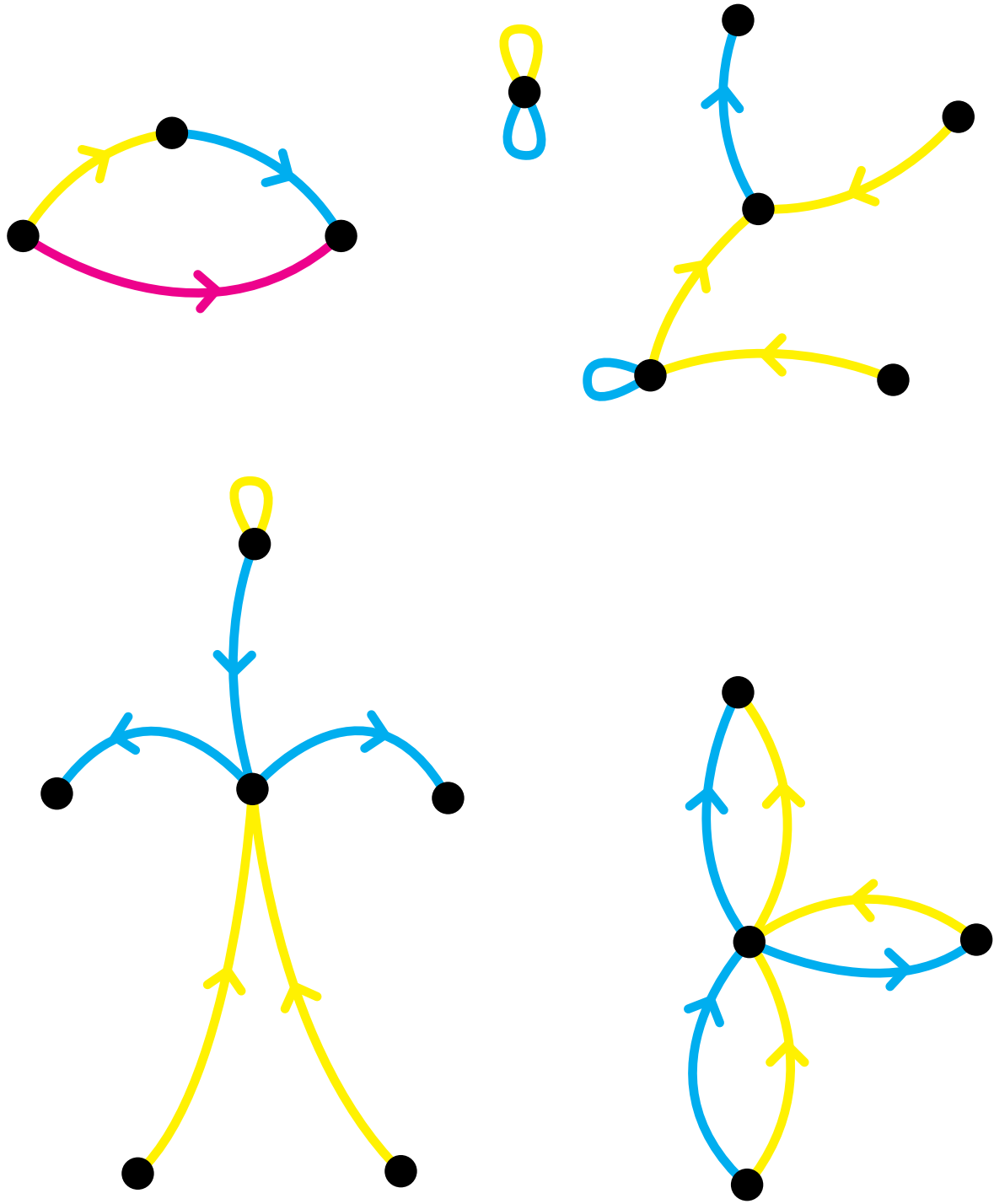
Draw the missing red arrows. You should find six red arrows.



Name \_\_\_\_\_

L2    \*\*

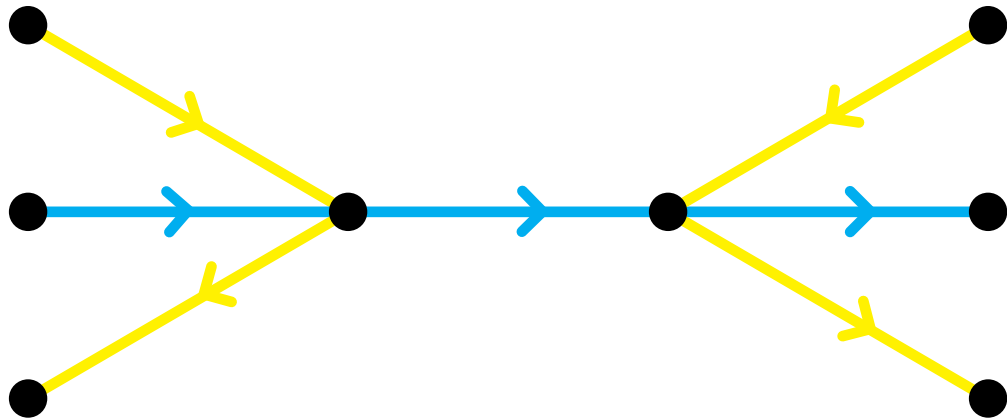
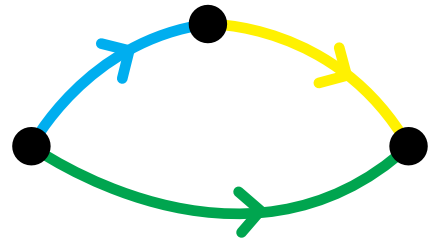
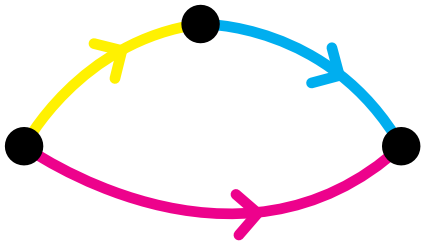
Draw the missing red arrows and loops.



Name \_\_\_\_\_

L7 \*

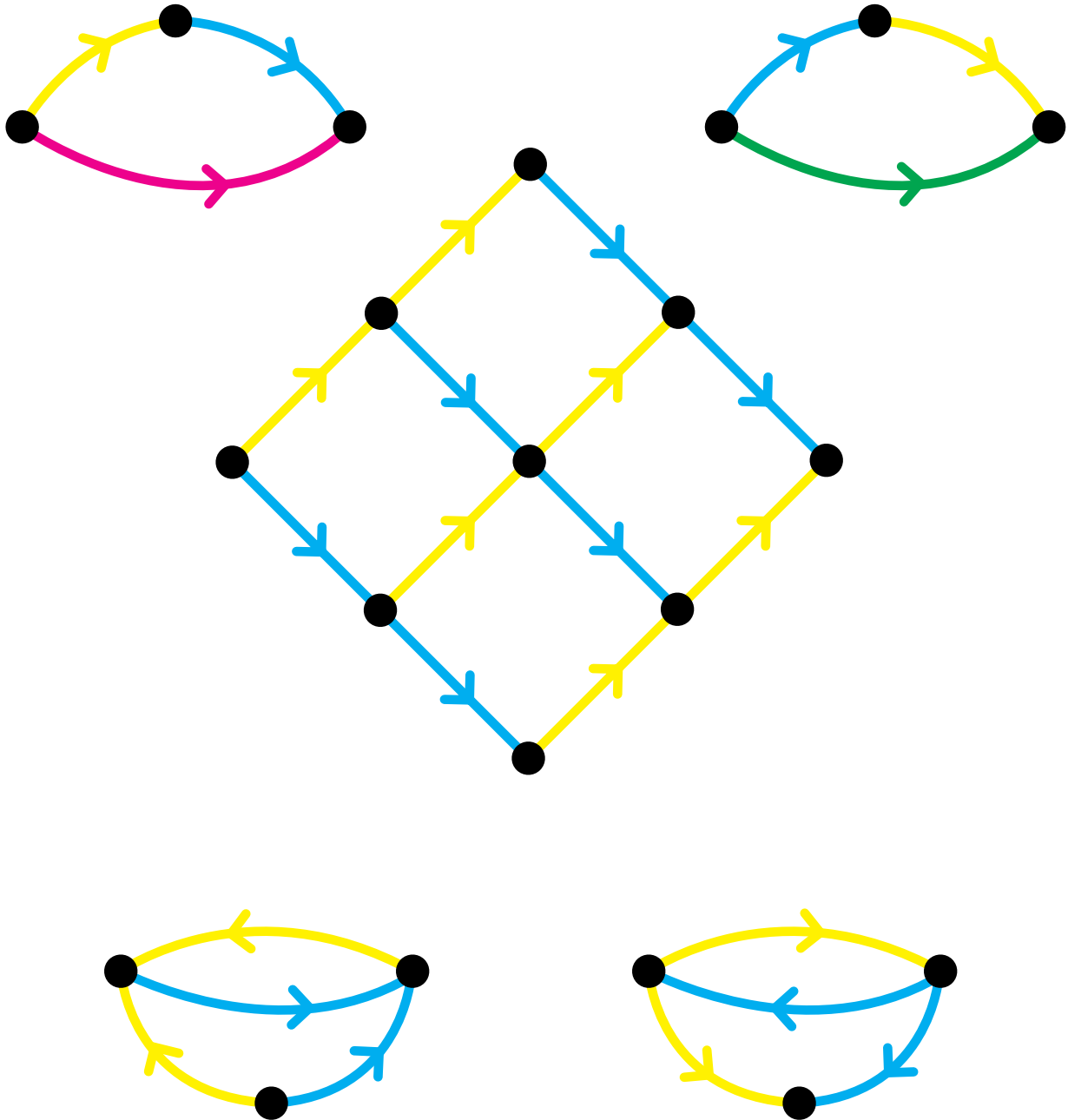
Draw the three missing red arrows and the three missing green arrows.



Name \_\_\_\_\_

L7    \*\*

Draw the missing red arrows and loops. Draw the missing green arrows and loops.

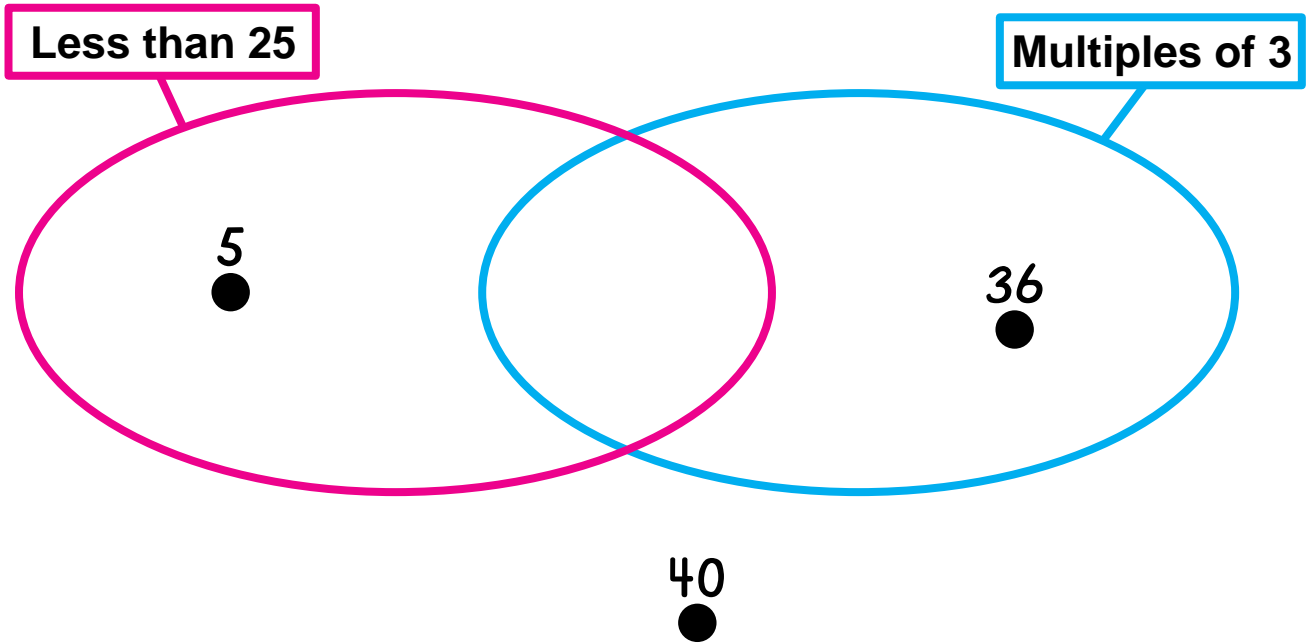


Name \_\_\_\_\_

L9 \*

Put these numbers in the string picture.

3      8      12      15      24      25      30      35



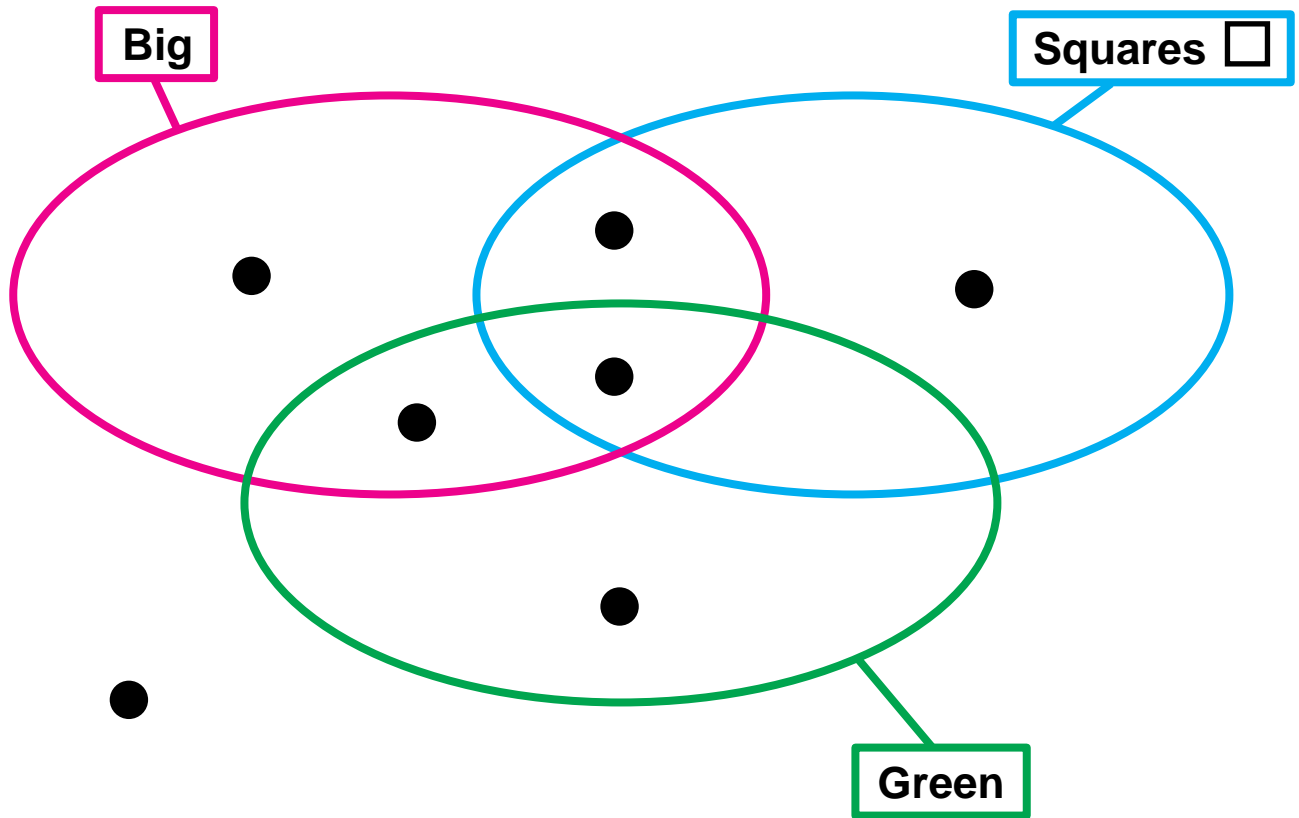


Name \_\_\_\_\_

L9

\*\*

Match the A-blocks with dots in the strings.



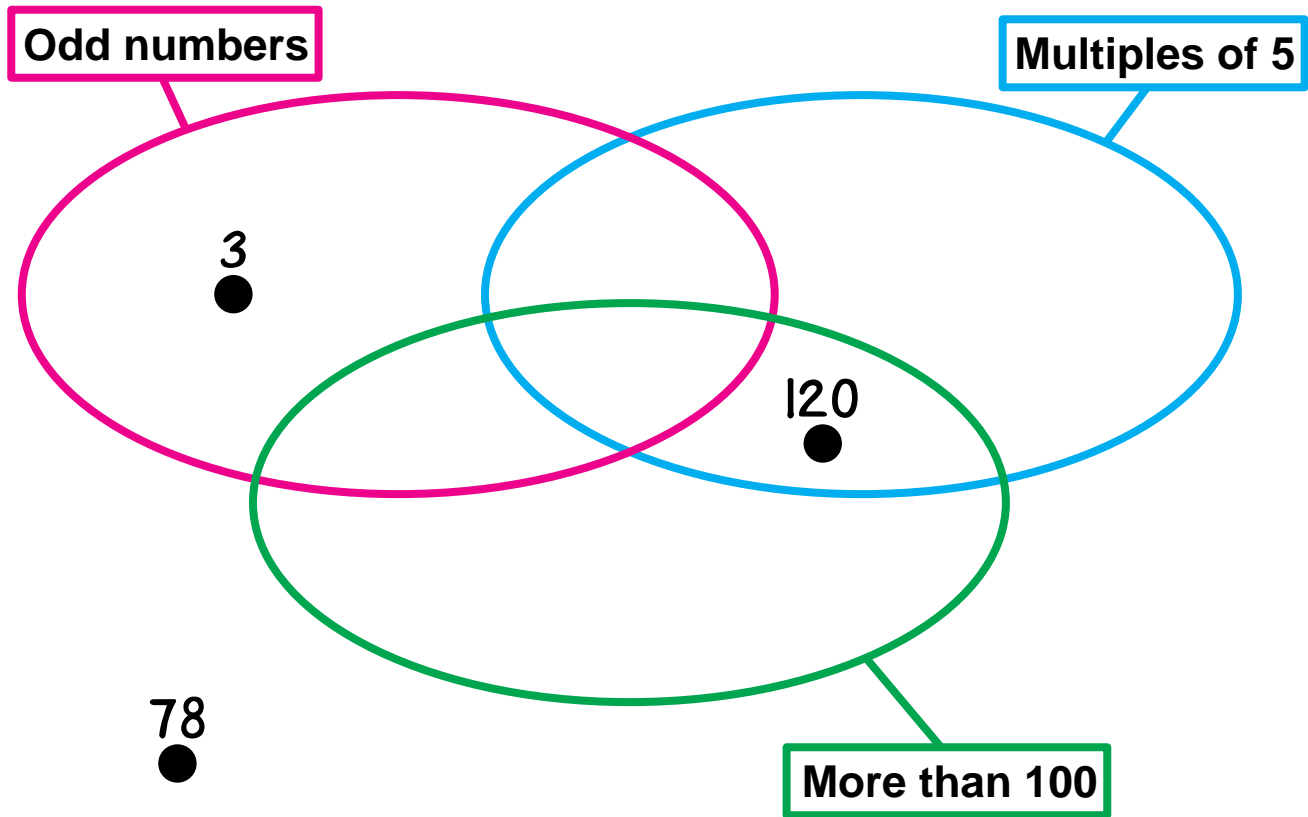
Describe a piece to put in the place with no dot. \_\_\_\_\_

Name \_\_\_\_\_

L9      \*\*\*

Put these numbers in the string picture.

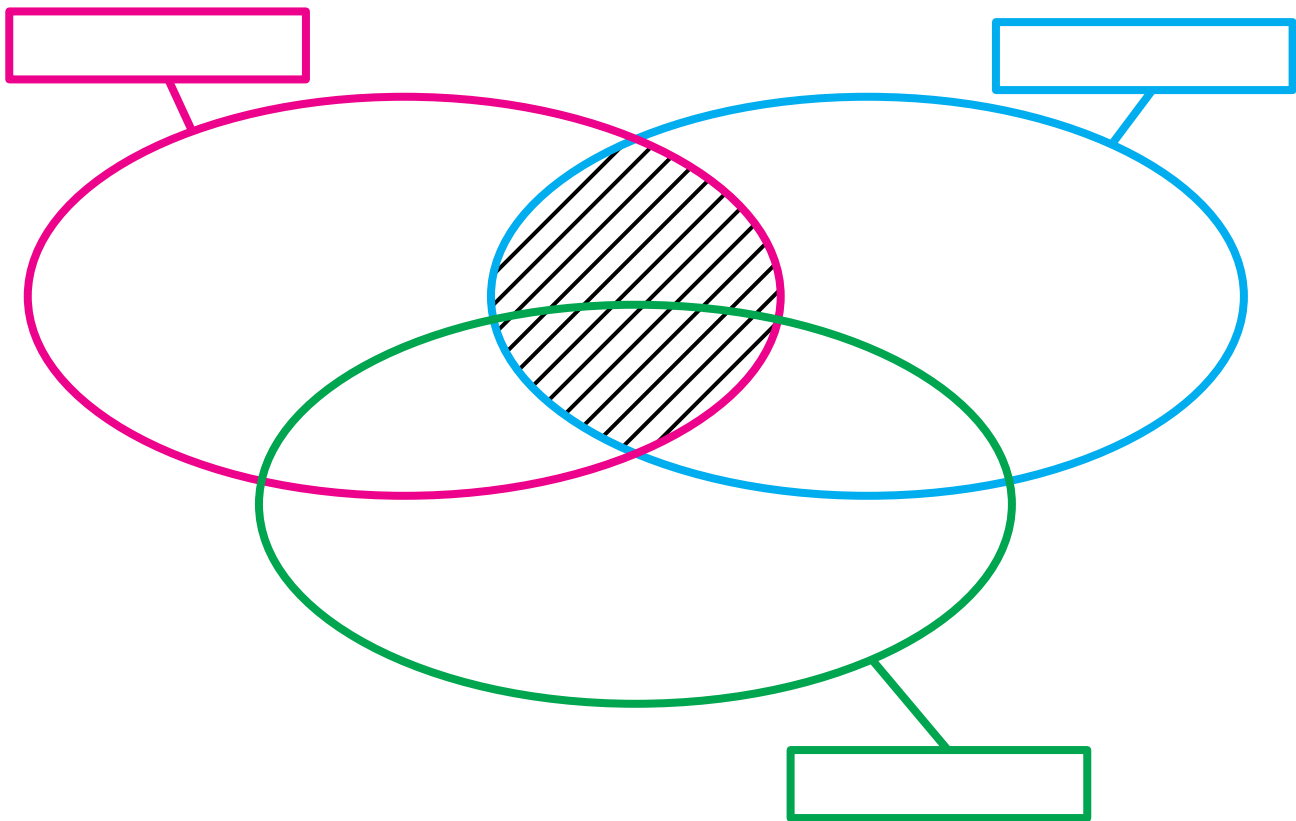
15    125    128    7    20    100    77    777



Name \_\_\_\_\_

L9      \*\*\*\*

Label the strings so that the hatched regions are empty.  
Many solutions are possible.



Explain why the hatched regions are empty with your string labels.

---

Name \_\_\_\_\_


The dots in this arrow picture are for some of Darren's relatives.

his mother  
his father  
his sister

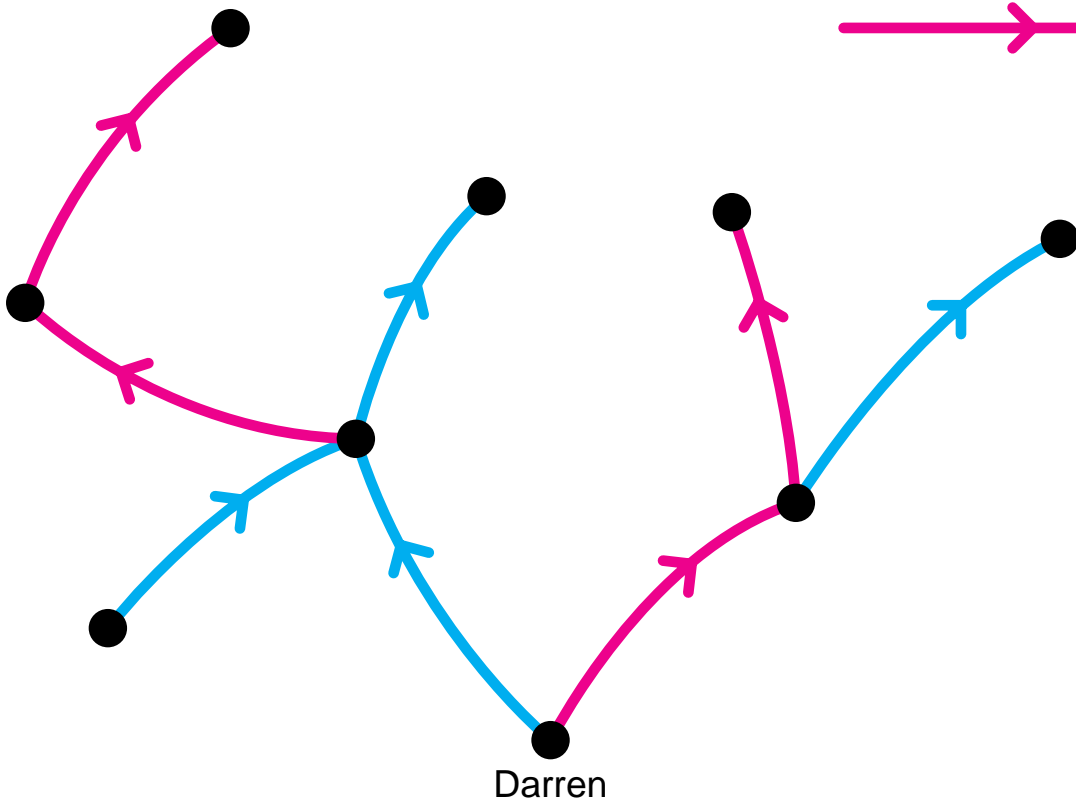
his paternal grandfather  
his paternal grandmother  
his maternal grandfather  
his maternal grandmother  
one of his great grandfathers

Can you label the dots?

Find and draw a missing red arrow.

You are my mother  


You are my father  

Name \_\_\_\_\_

Cathy is the sister of Nick and John. Both of Cathy's paternal grandparents and her maternal grandfather are still alive, but Cathy's maternal grandmother died last year. Draw an arrow picture showing Cathy's family.



●  
Nick

●  
Cathy

●  
John

Name \_\_\_\_\_

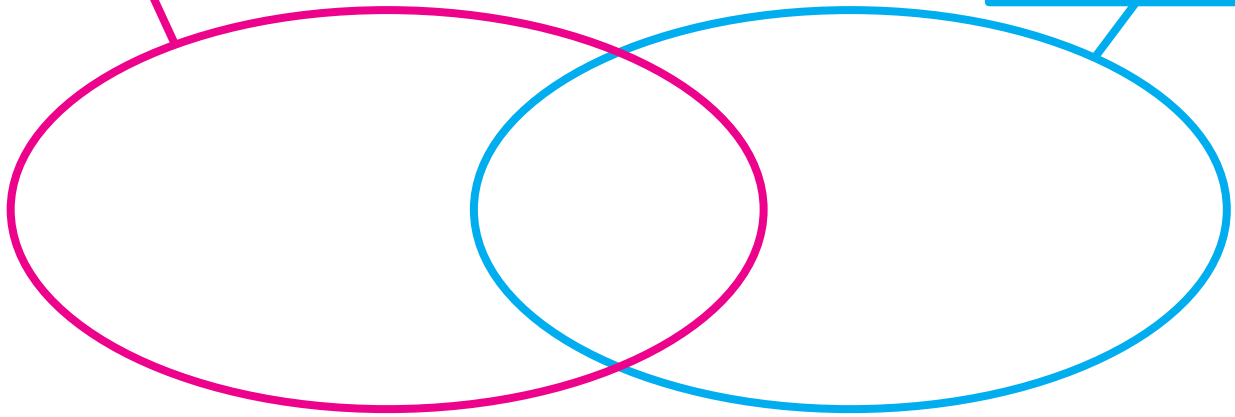
L13 \*

Put these numbers in the string picture.

10    25    12    0    13    55    17    32

Multiples of 2

Multiples of 5



Name \_\_\_\_\_

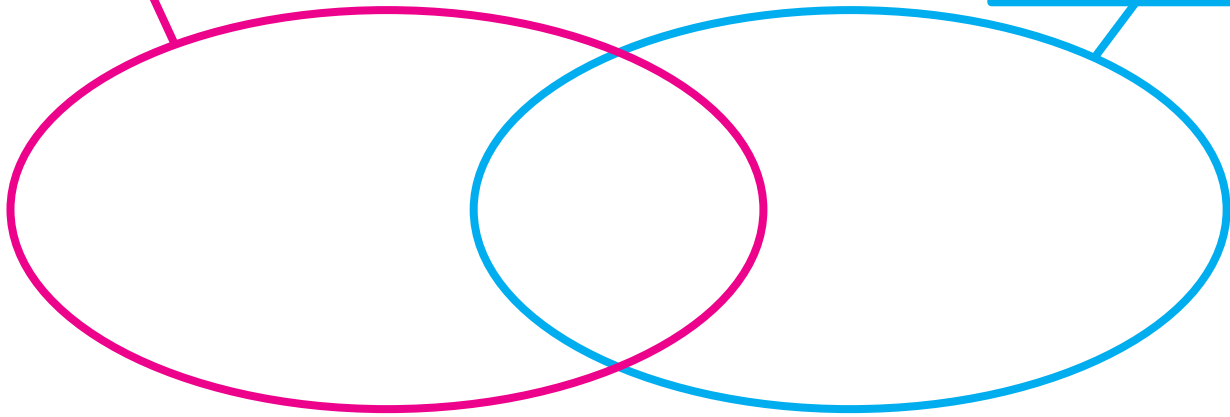
L13 \*\*

Put these numbers in the string picture.

8    15    1    30    100    6    99    37

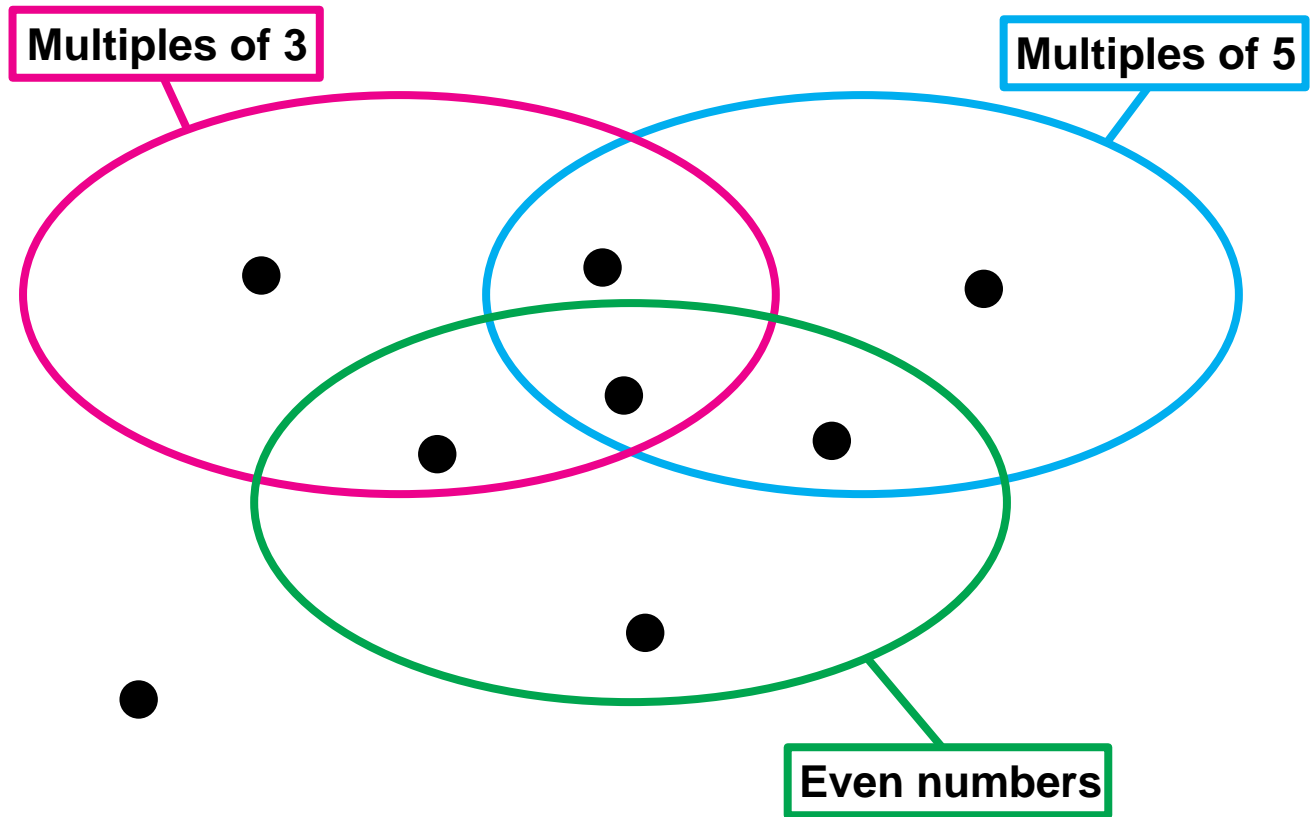
**Multiples of 3**

**Odd numbers**



Name \_\_\_\_\_

Label the dots with numbers of your choice.

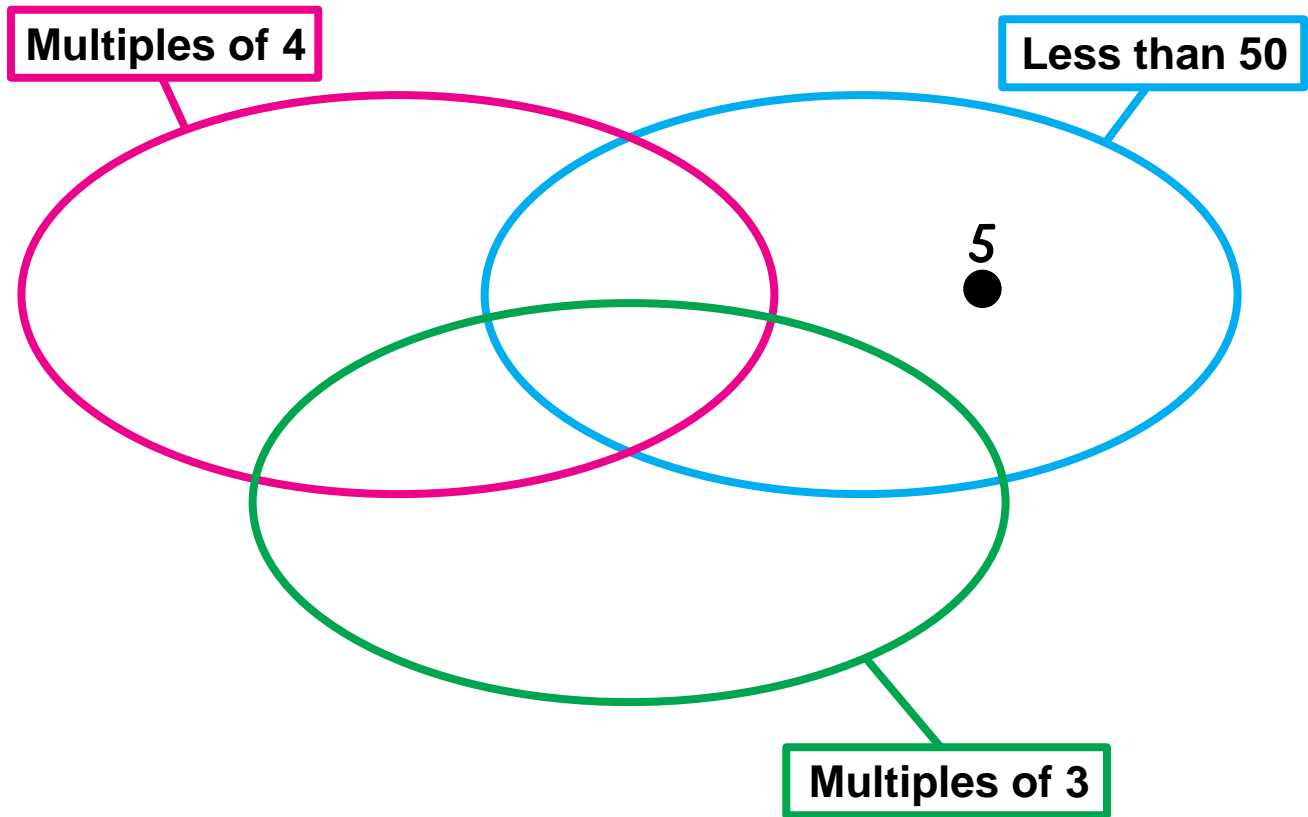




Name \_\_\_\_\_

Put these numbers in the string picture.

- 20    0    12     $\hat{1}2$      $\hat{6}$      $\hat{4}$     99    50    56
- $3 \times 25$        $4 \times 30$        $4 \times 7$



Name \_\_\_\_\_

L14(a)

### Cartoon

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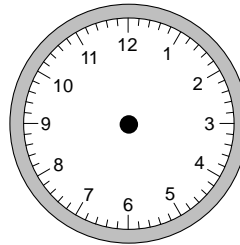
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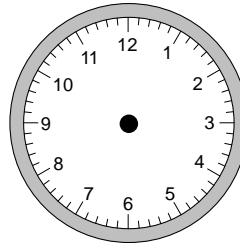
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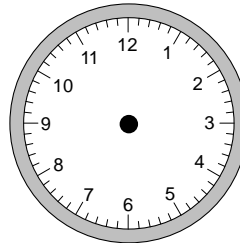
### Time



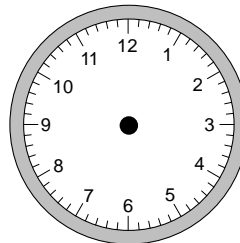
□



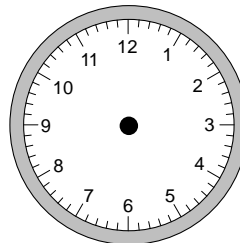
□



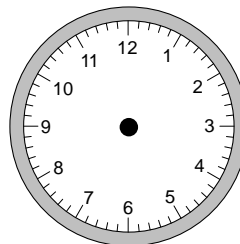
□



□



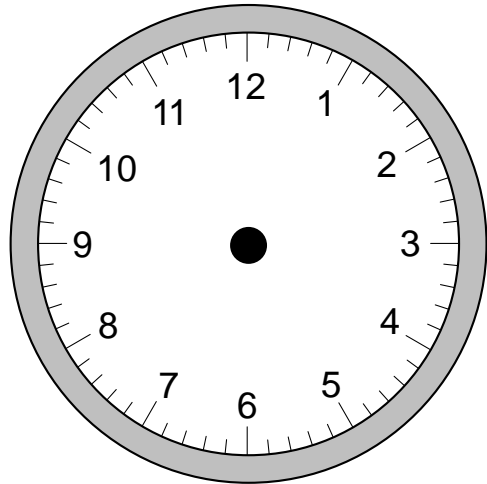
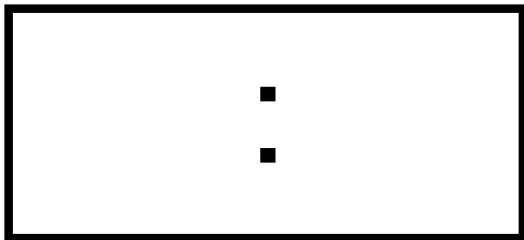
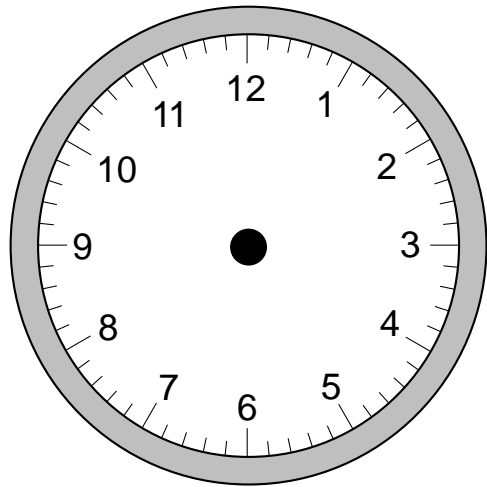
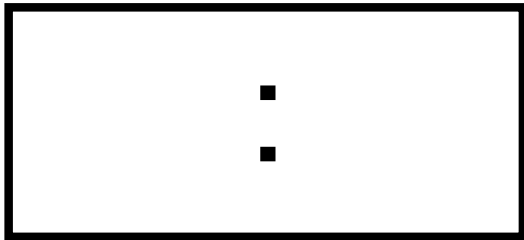
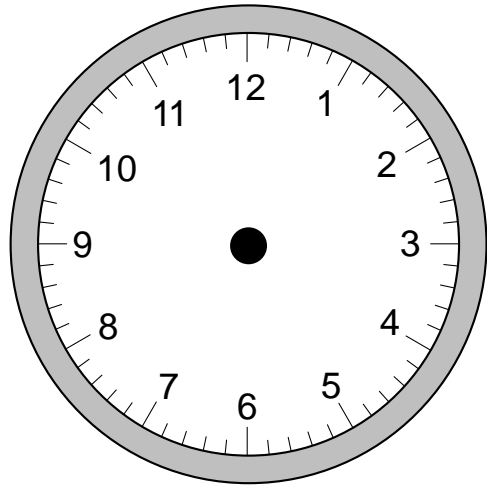
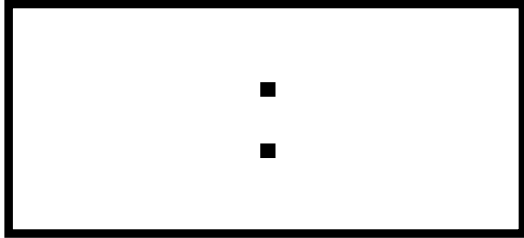
□



□

Name \_\_\_\_\_

L14(b)



Name \_\_\_\_\_

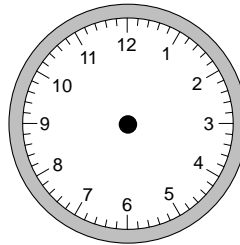
L14(c)

### Activity

### Time

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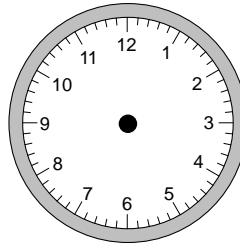
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□

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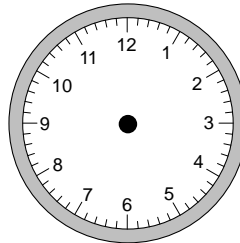
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□

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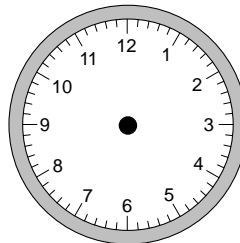
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□

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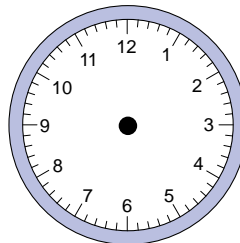
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□

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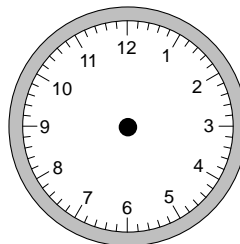
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□

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□

Name \_\_\_\_\_

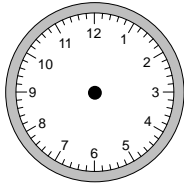
L14(d)

# Time Your Daily Activities

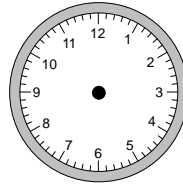
1. How long does it take me to brush my teeth?

Estimate \_\_\_\_\_ (hours/minutes)

Starting Time



Ending Time



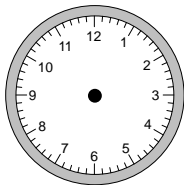
It took me \_\_\_\_\_.

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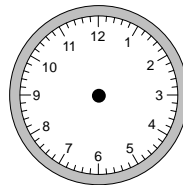
2. How long does it take me to eat breakfast?

Estimate \_\_\_\_\_ (hours/minutes)

Starting Time



Ending Time



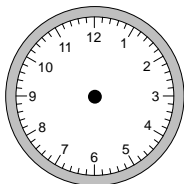
It took me \_\_\_\_\_.

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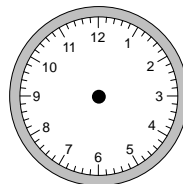
3. How long does it take me to \_\_\_\_\_? (choose an activity)

Estimate \_\_\_\_\_ (hours/minutes)

Starting Time



Ending Time



It took me \_\_\_\_\_.

Name \_\_\_\_\_

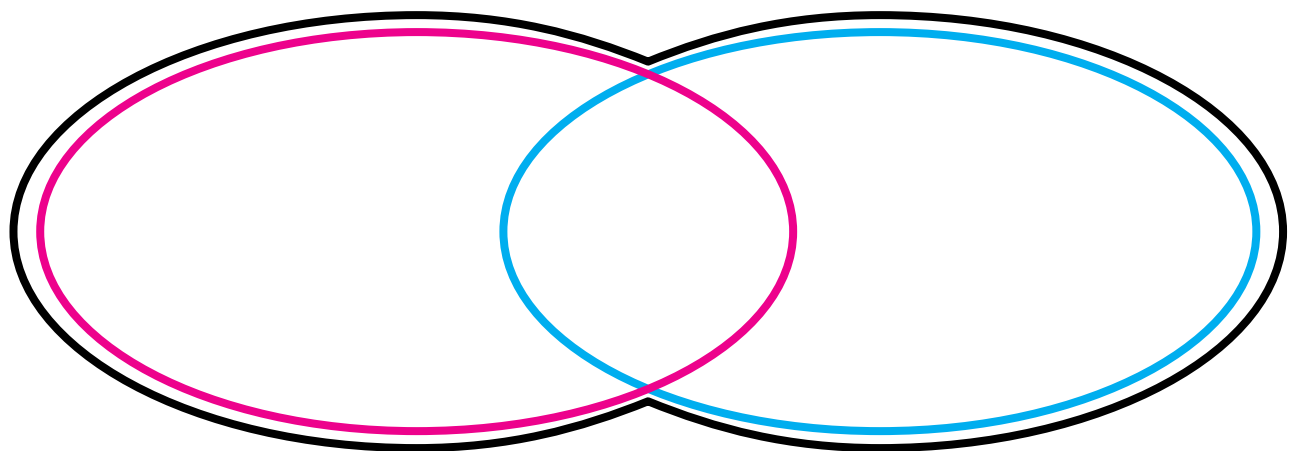
L16 \*

Draw dots in this string picture so that there are:

- 7 dots in the red string;
- 5 dots in the blue string;
- 10 dots altogether in the two strings.

7

5



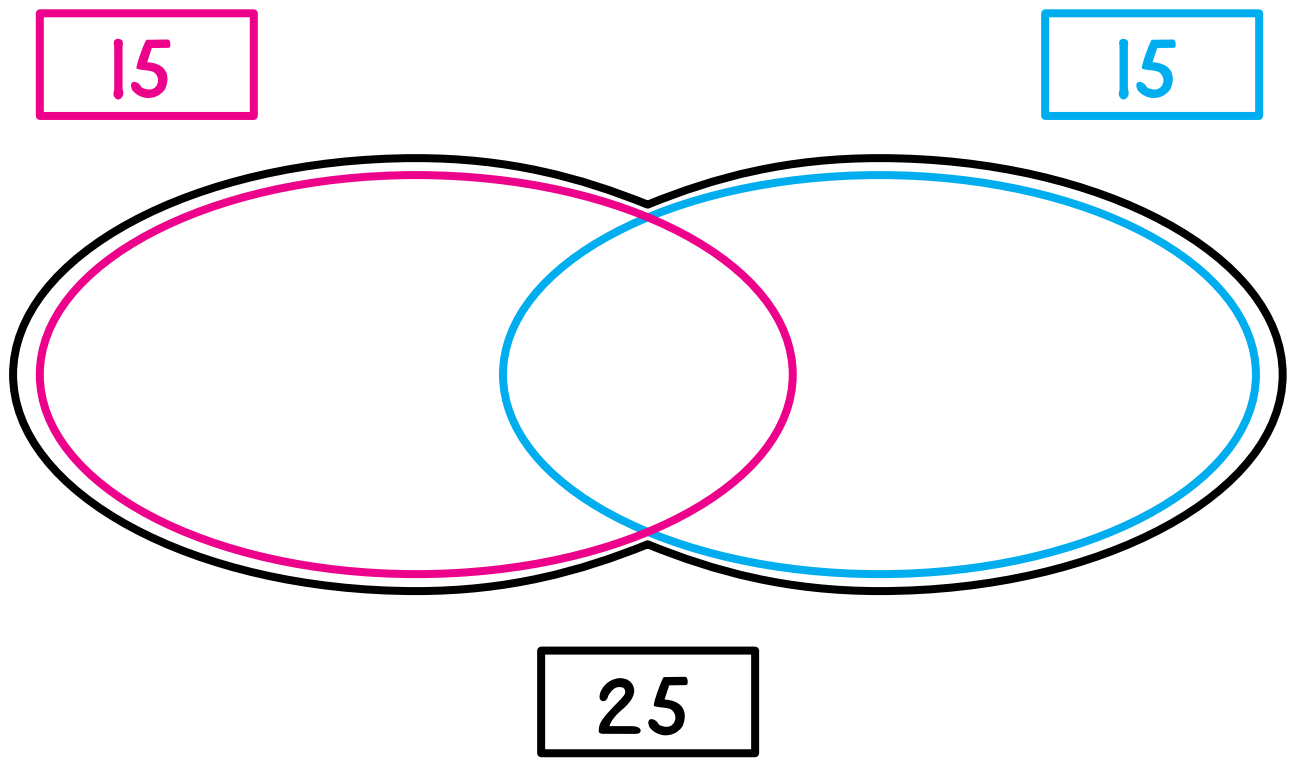
10

Name \_\_\_\_\_

L16 \*\*

Draw dots in this string picture so that there are:

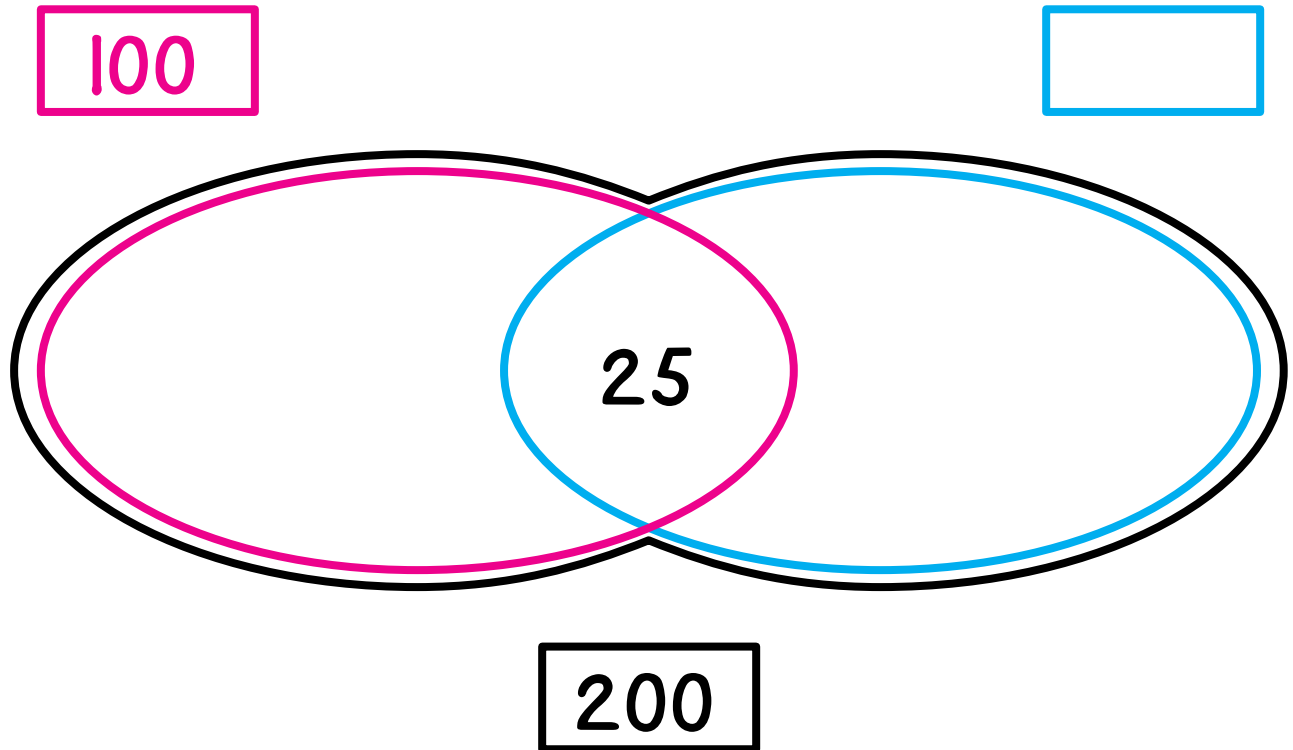
- 15 dots in the red string;
- 15 dots in the blue string;
- 25 dots altogether in the two strings.



Name \_\_\_\_\_

L16 \*\*\*

Label the parts of the picture to show how many dots are in each part. Fill in the blue box to show how many dots are in the blue string.

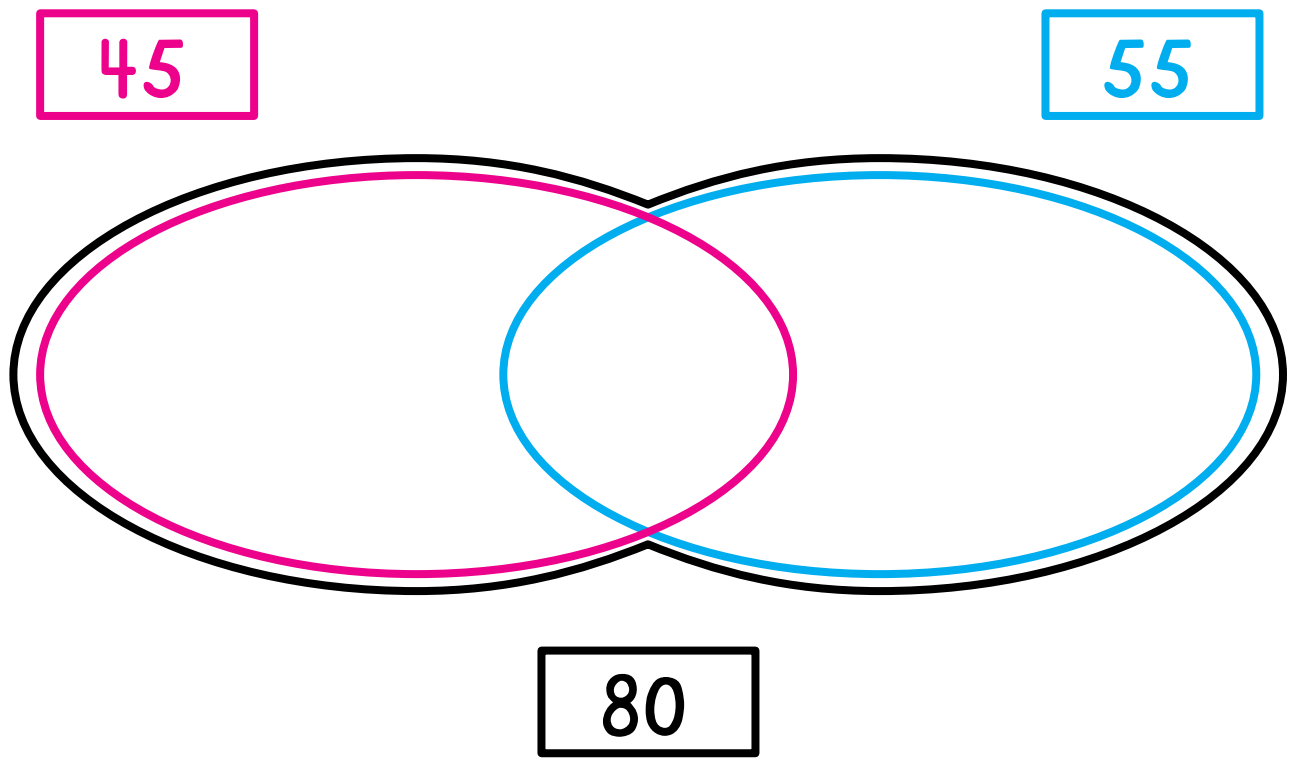




Name \_\_\_\_\_

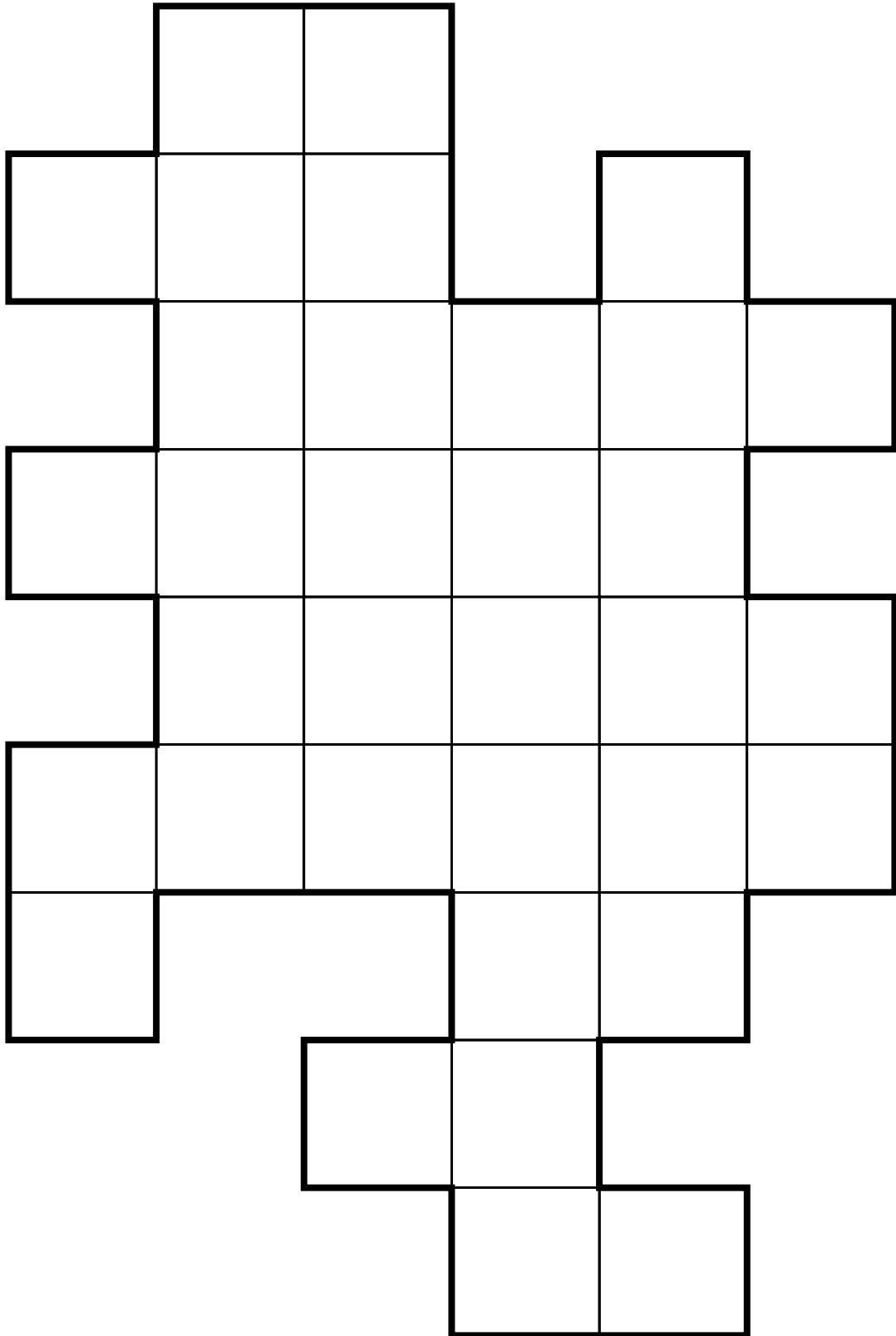
L16 \*\*\*\*

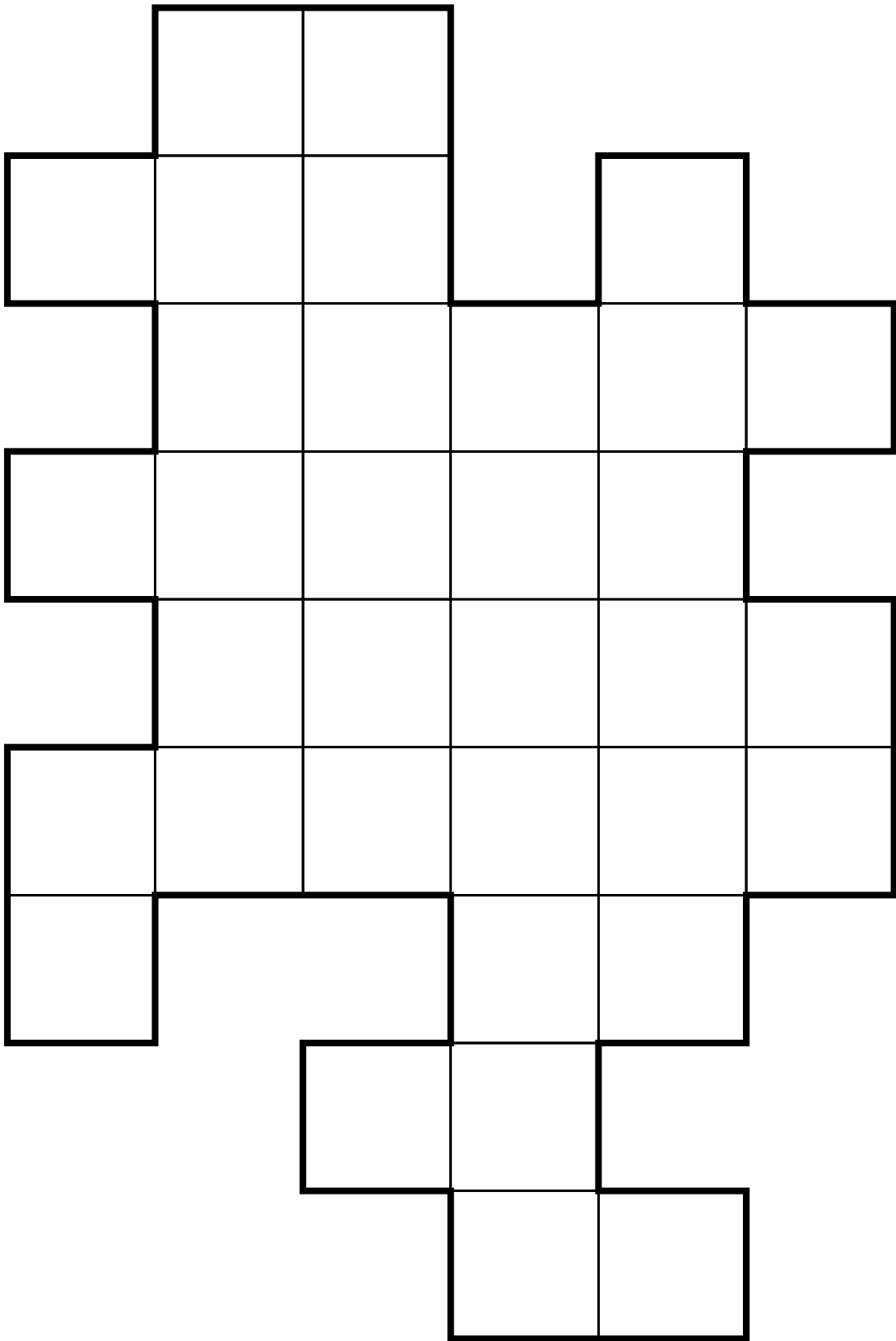
Label the parts of this picture to show how many dots are in each part.



Name \_\_\_\_\_

G1(a)

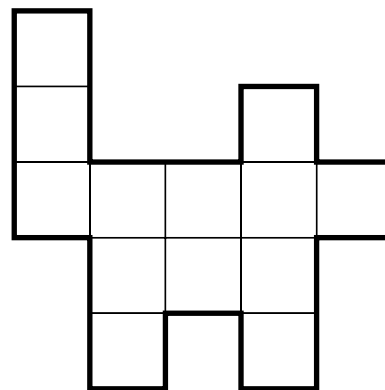
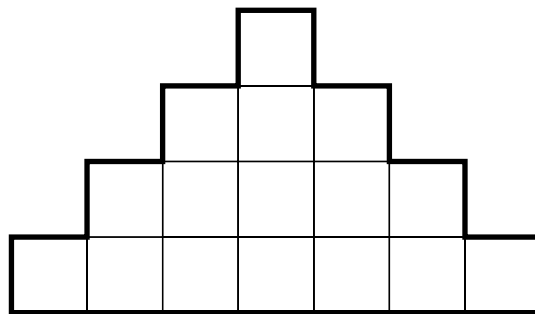
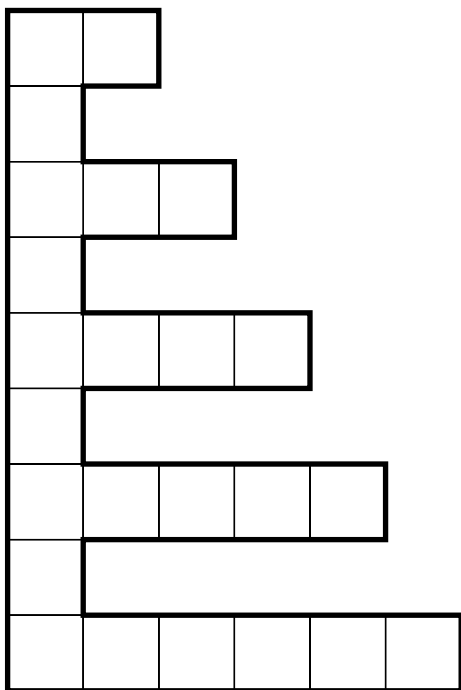
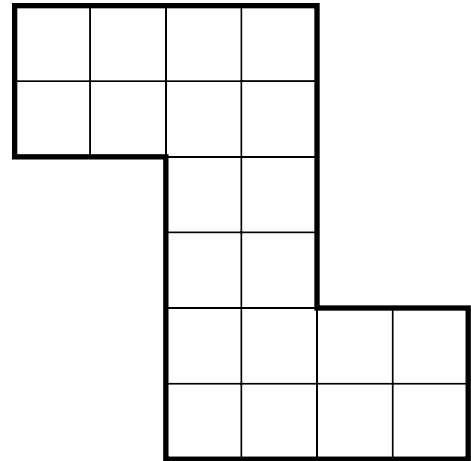
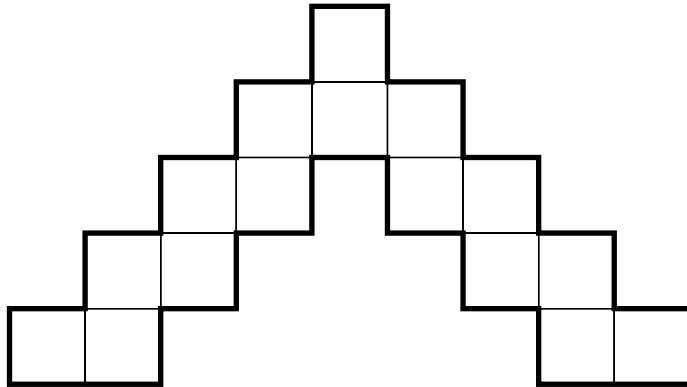




Name \_\_\_\_\_

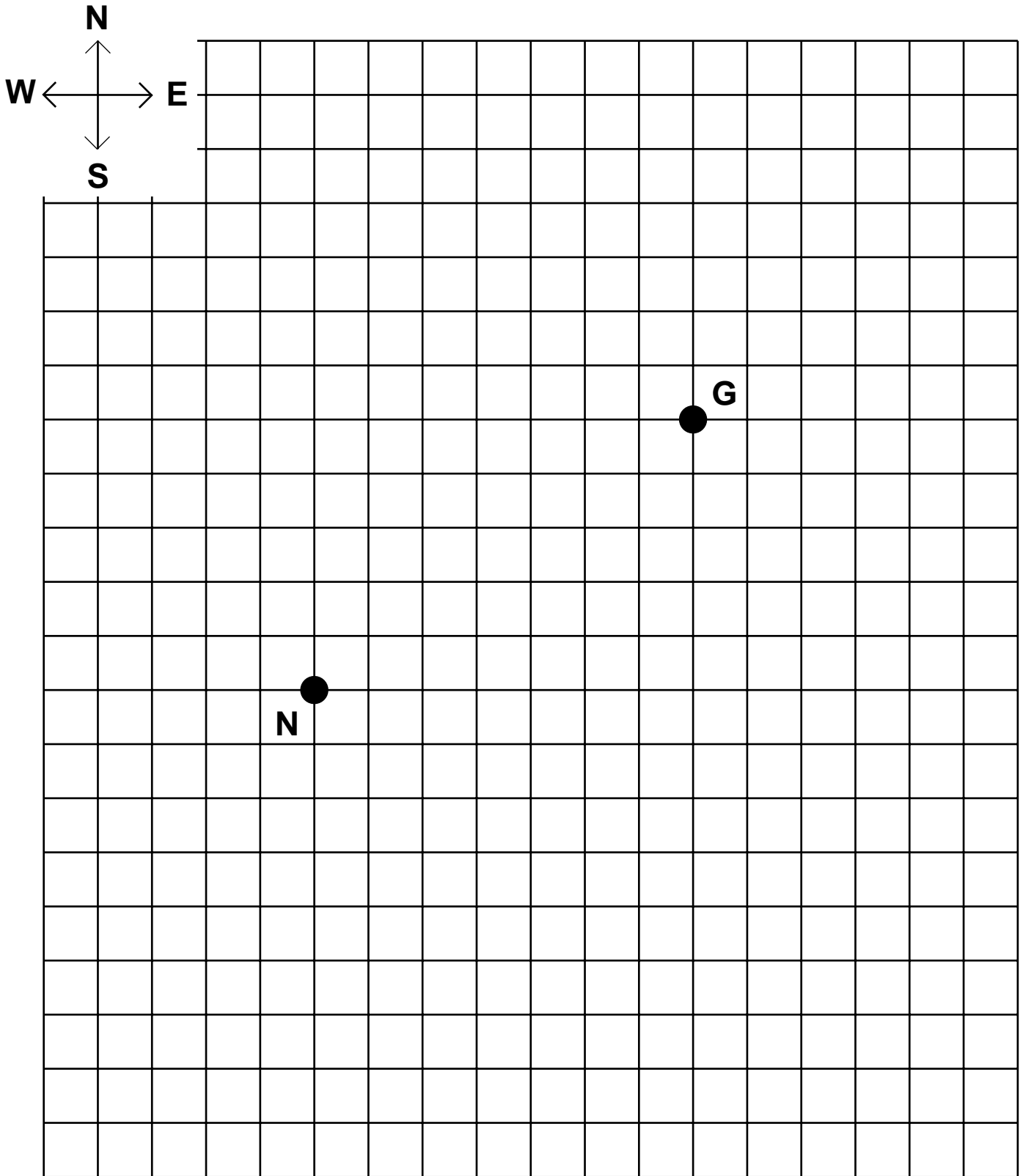
G1(b)

Color each shape one-half red and one-half blue.



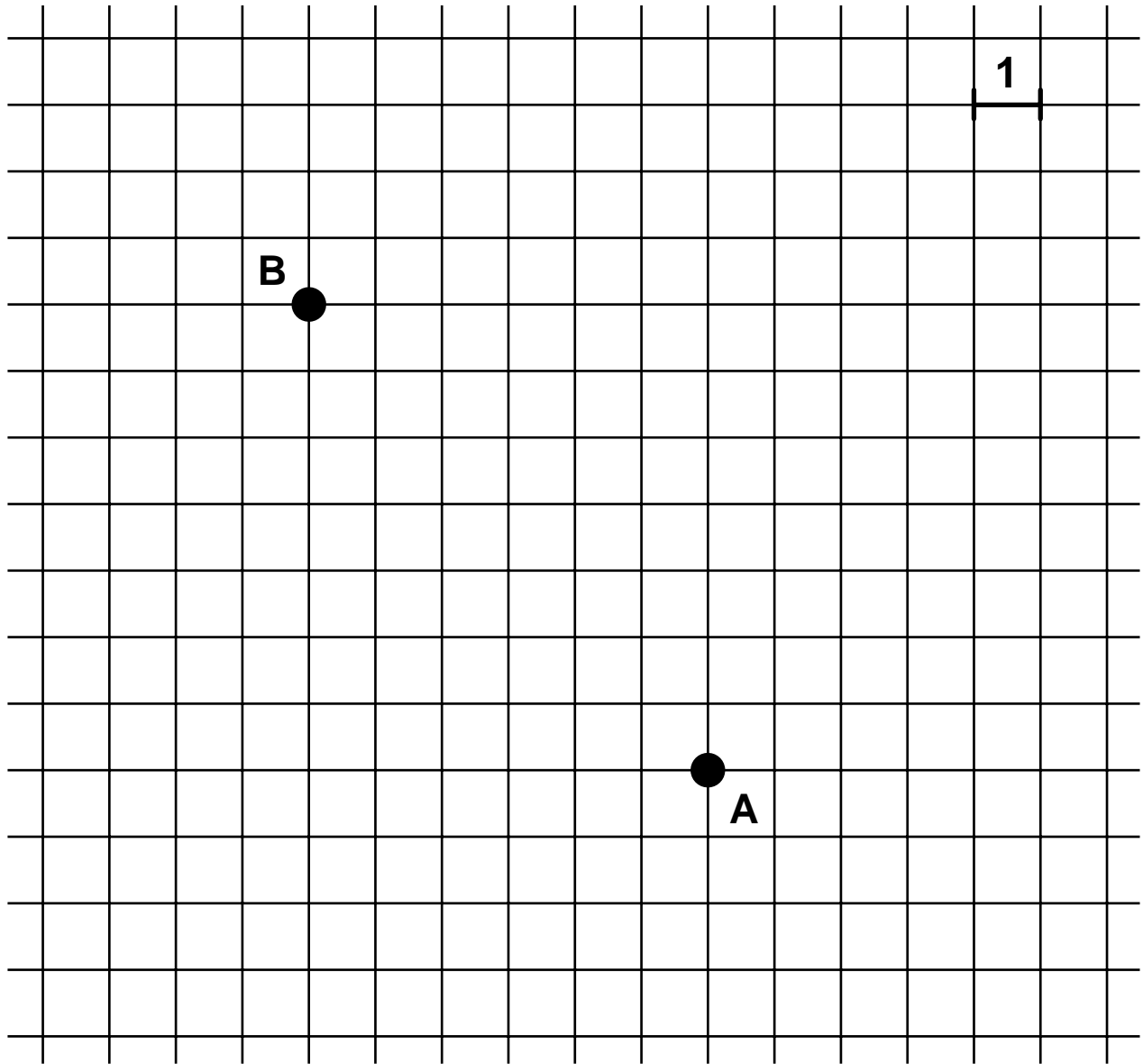
Name \_\_\_\_\_

G2



Name \_\_\_\_\_

Draw one long path between Angela's house (A) and Barbara's house (B). Draw several shortest paths between A and B. Use a different color for each path.



The taxi-distance from A to B is \_\_\_\_\_ blocks.

The taxi-distance from B to A is \_\_\_\_\_ blocks.

Name \_\_\_\_\_

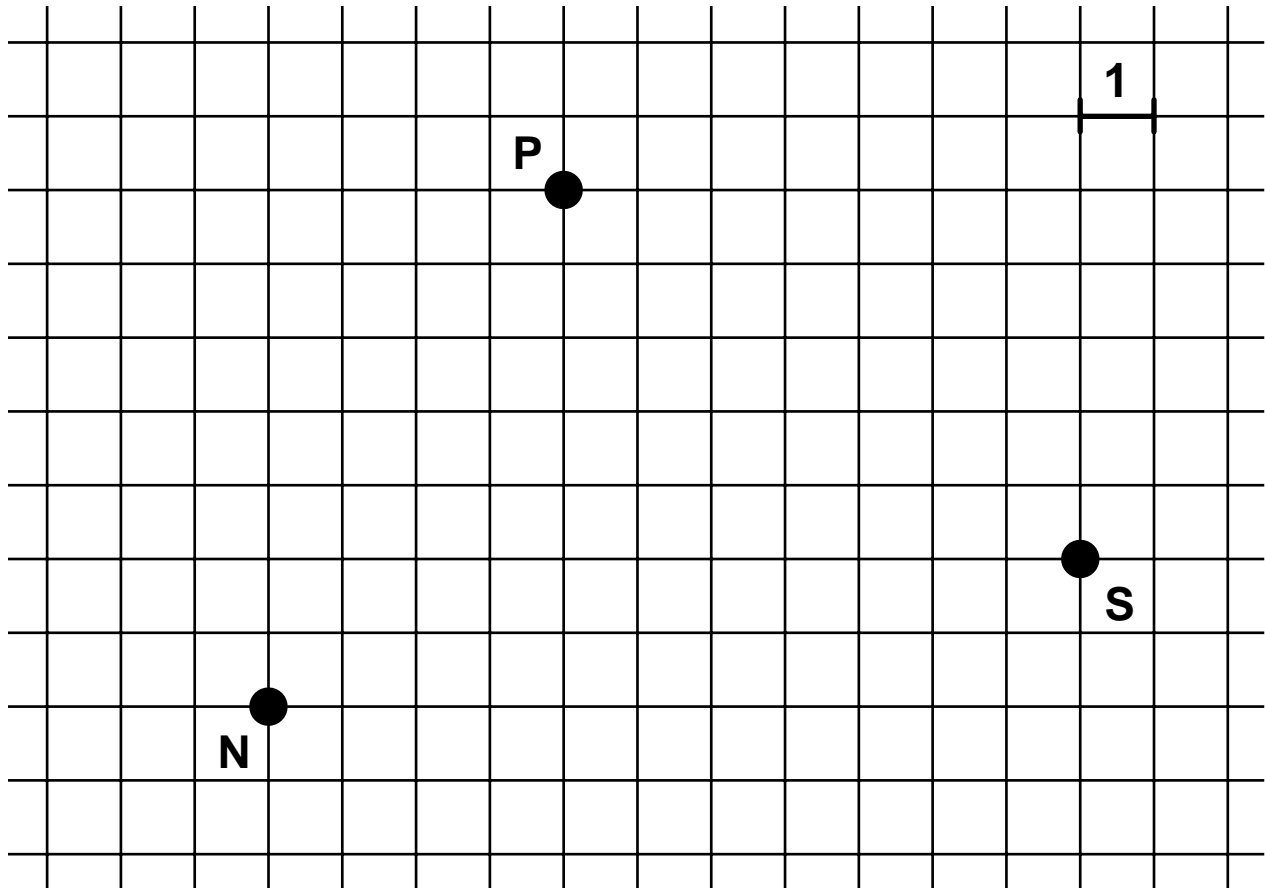
G2

\*\*

N = Nora's House

P = Post Office

S = Store



The taxi-distance from N to P is \_\_\_\_\_ blocks.

The taxi-distance from P to S is \_\_\_\_\_ blocks.

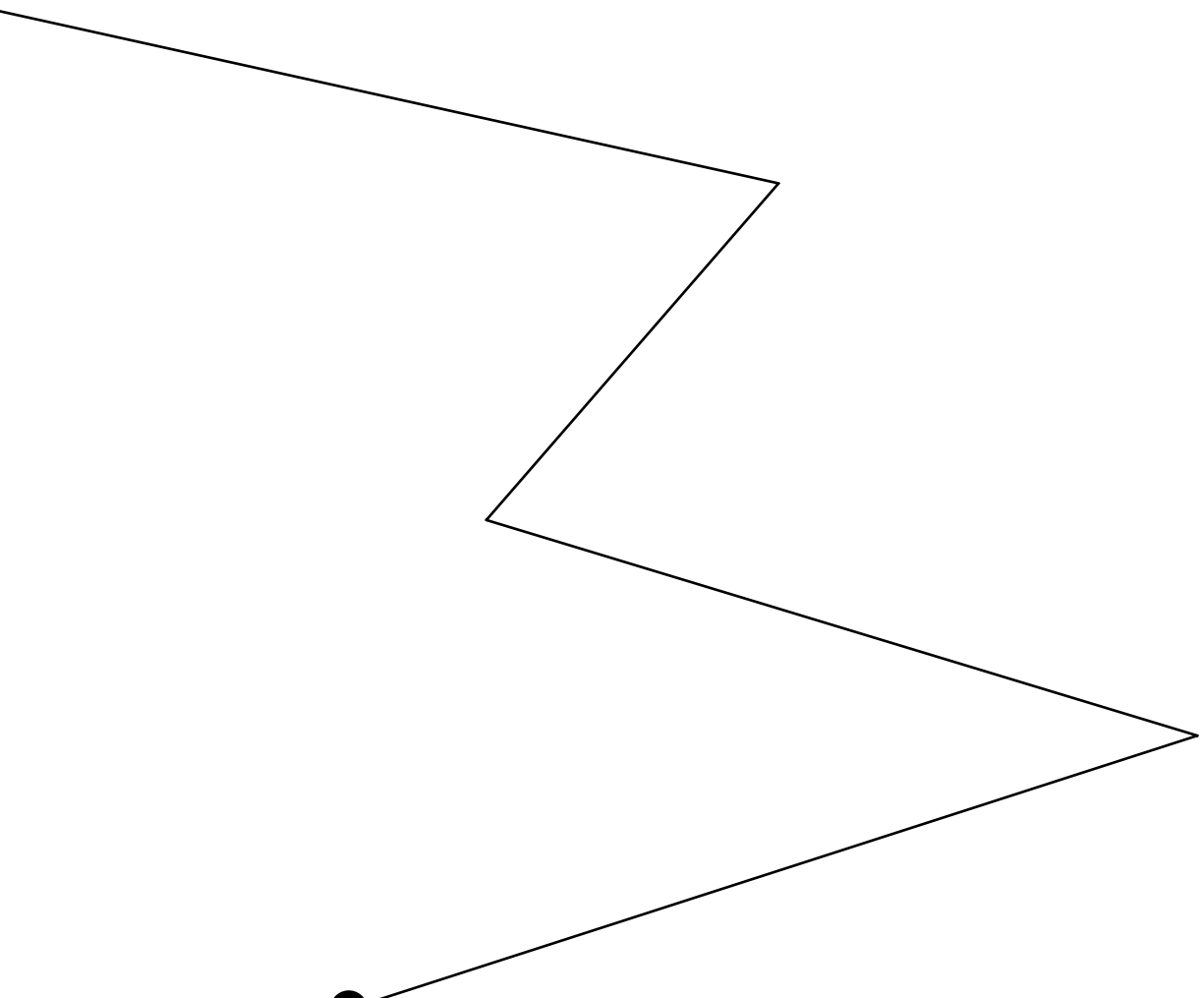
The taxi-distance from S to N is \_\_\_\_\_ blocks.

It is raining and Nora must do some errands. She walks from her house (N) to the Post Office (P) and then to the store (S) and then home. What is the length of the shortest trip she can make? \_\_\_\_\_

Name \_\_\_\_\_

G4	*
----	---

S



E

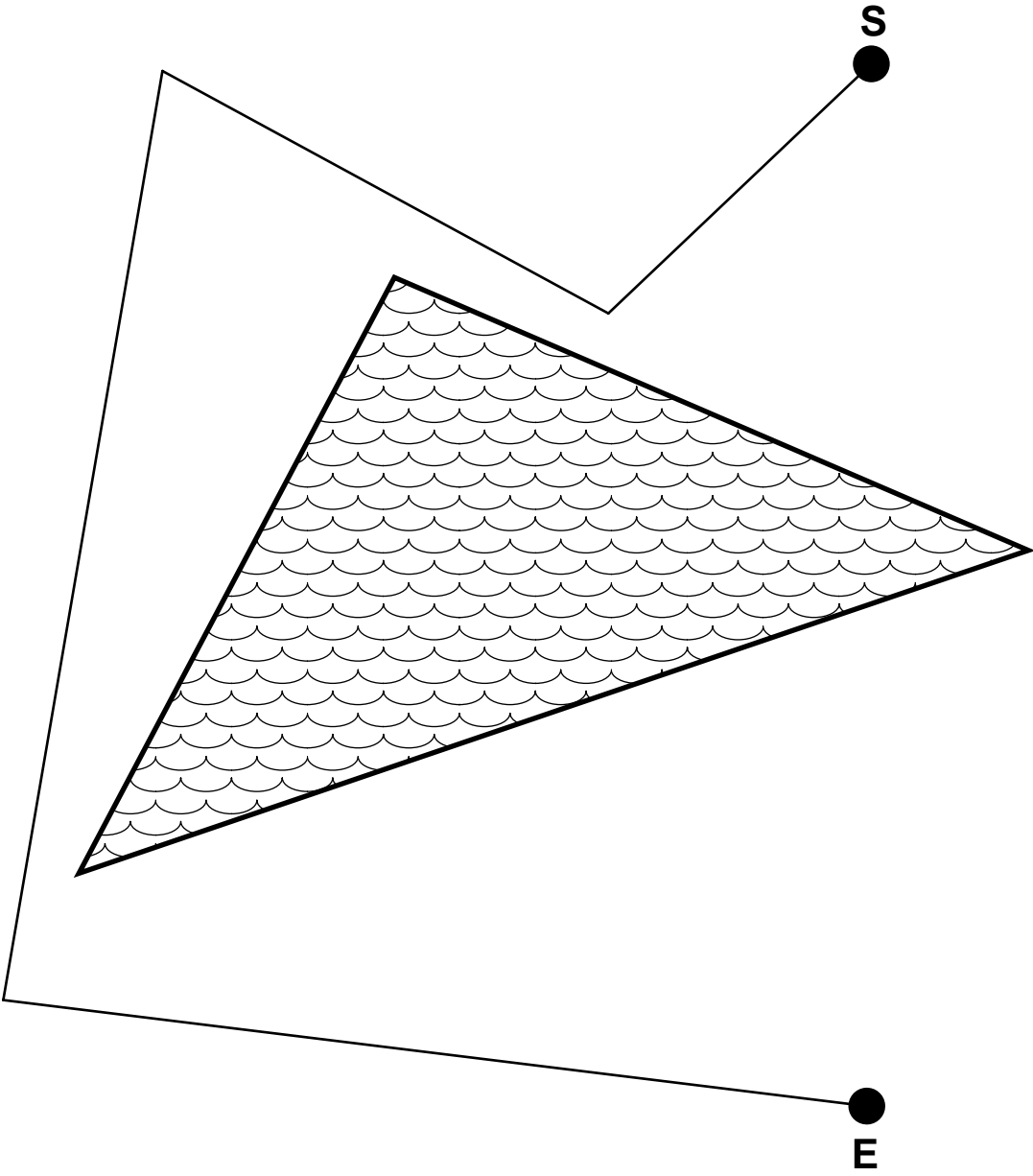
How long is this zigzag path from S to E? \_\_\_\_\_ cm

Draw a shorter path from S to E. Try to make it as short as possible. How long is your path? \_\_\_\_\_ cm



Name \_\_\_\_\_

G4 \*\*



How long is this zigzag path from S to E? \_\_\_\_\_ cm

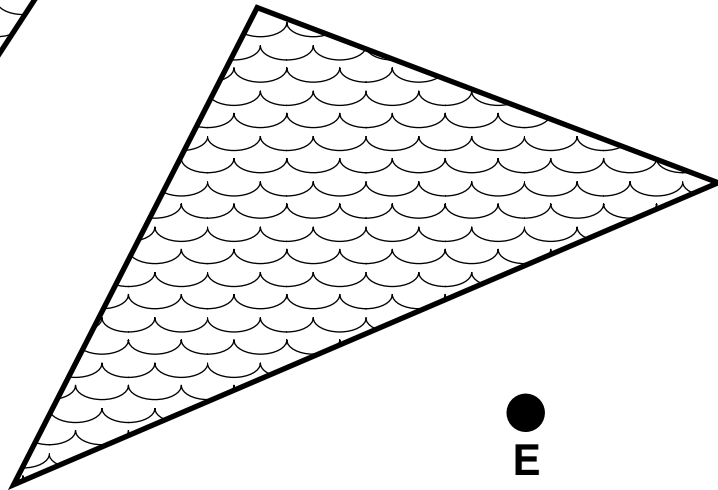
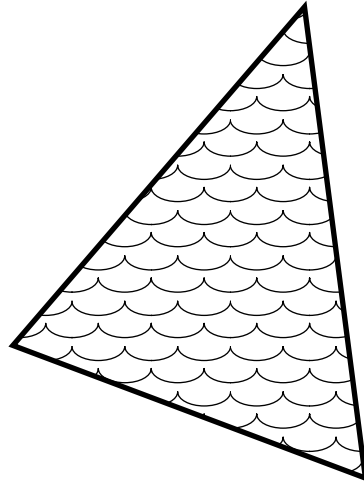
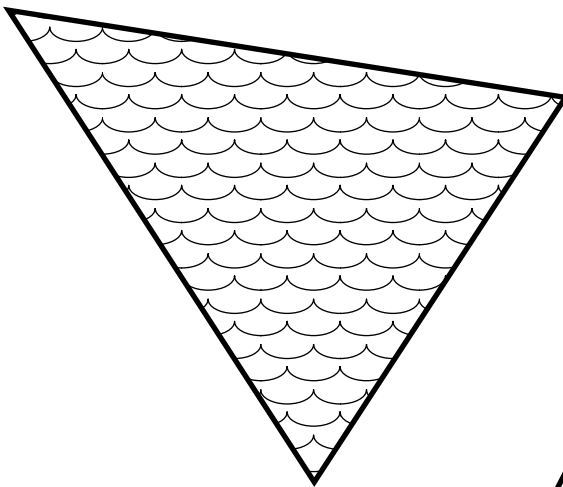
Draw a shorter path from S to E. Try to make it as short as possible. How long is your path? \_\_\_\_\_ cm

Name \_\_\_\_\_

G4

\*\*\*

S ●



●  
E

Draw as short a zigzag path as you can from S to E.  
Try to make it shorter than 25 cm.

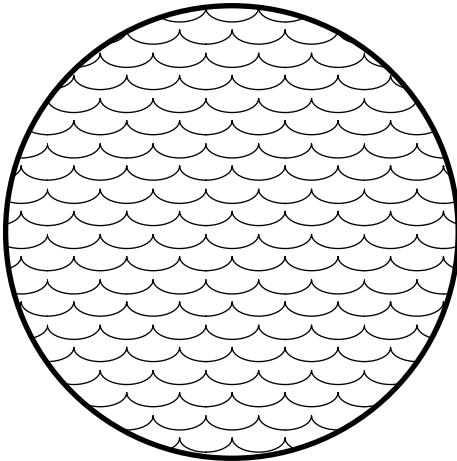
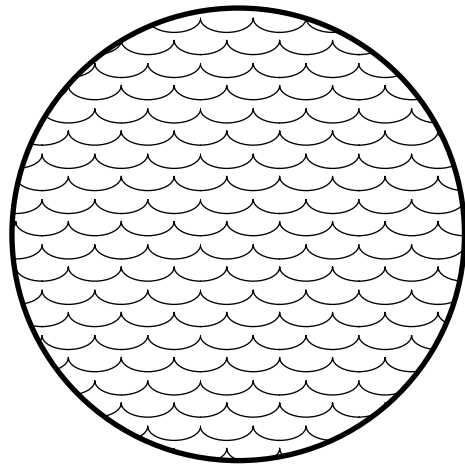
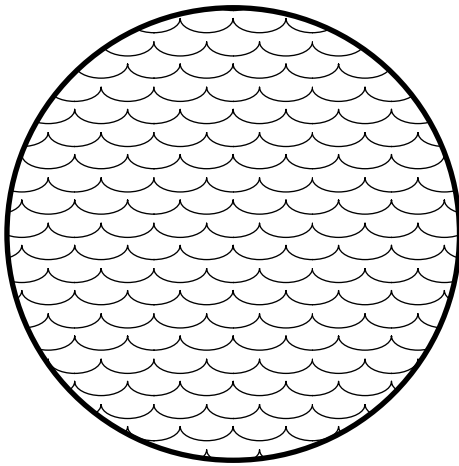
How long is your path? \_\_\_\_\_ cm

Name \_\_\_\_\_

G4

\*\*\*\*

S



E

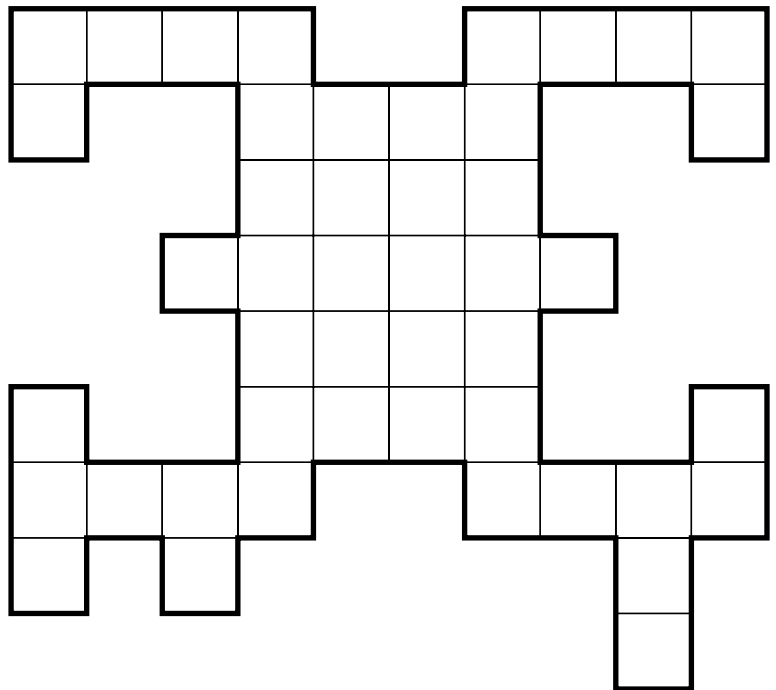
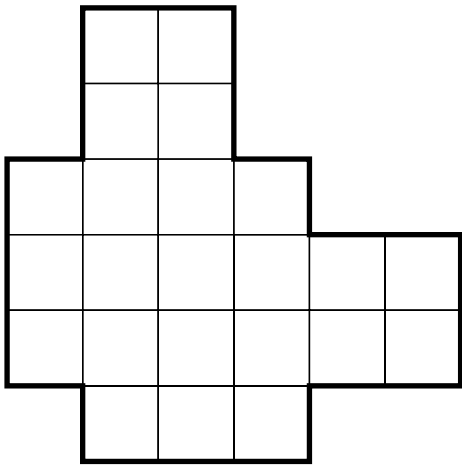
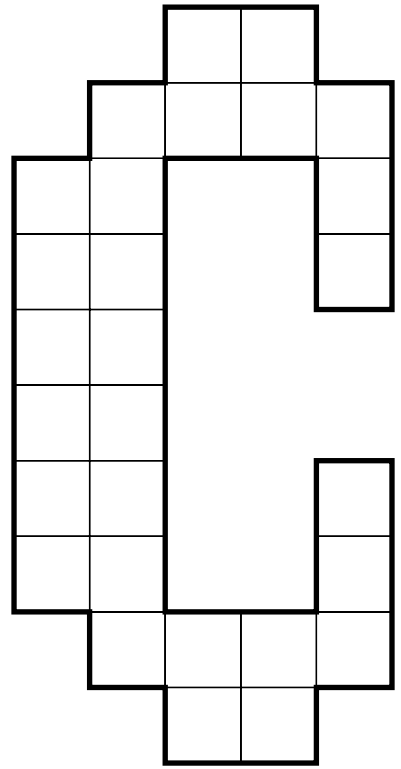
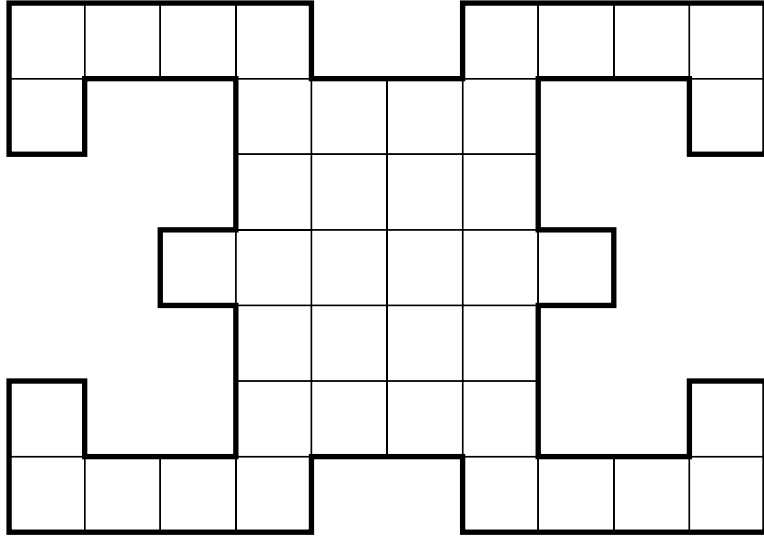
Draw a zigzag path from S to E that is longer than 50 cm.

How long is your path? \_\_\_\_\_ cm

Name \_\_\_\_\_

G5 \*

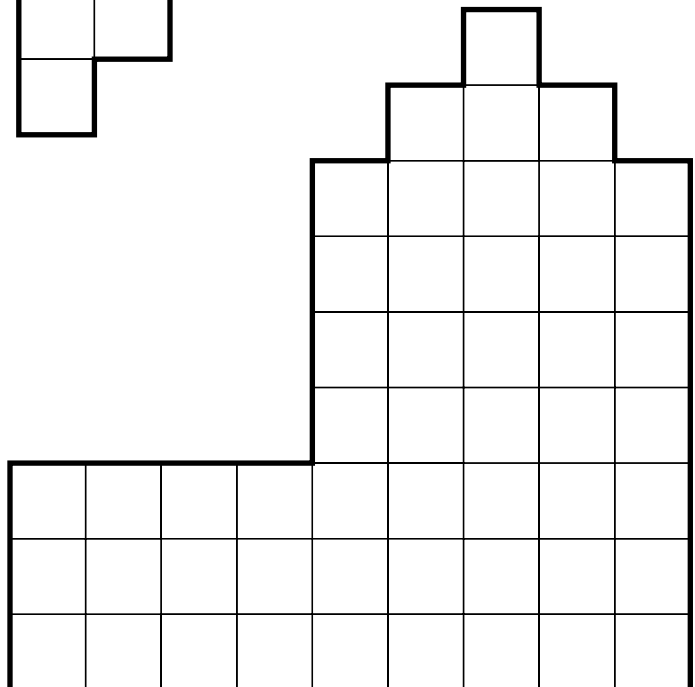
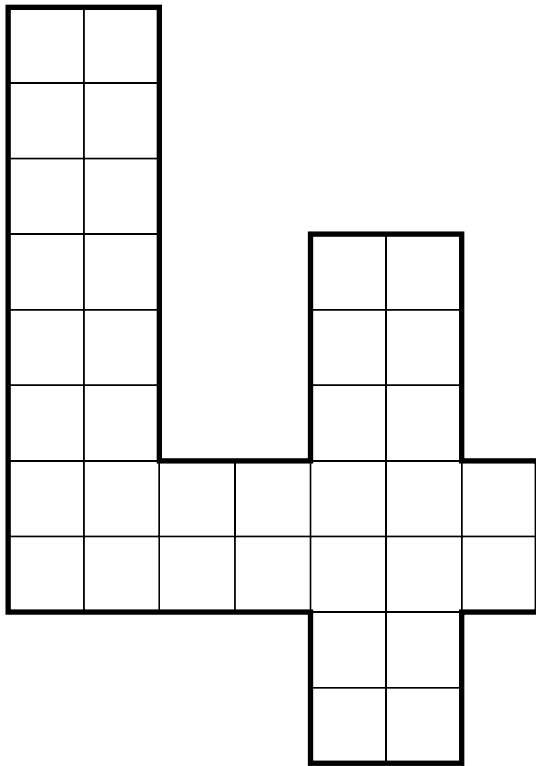
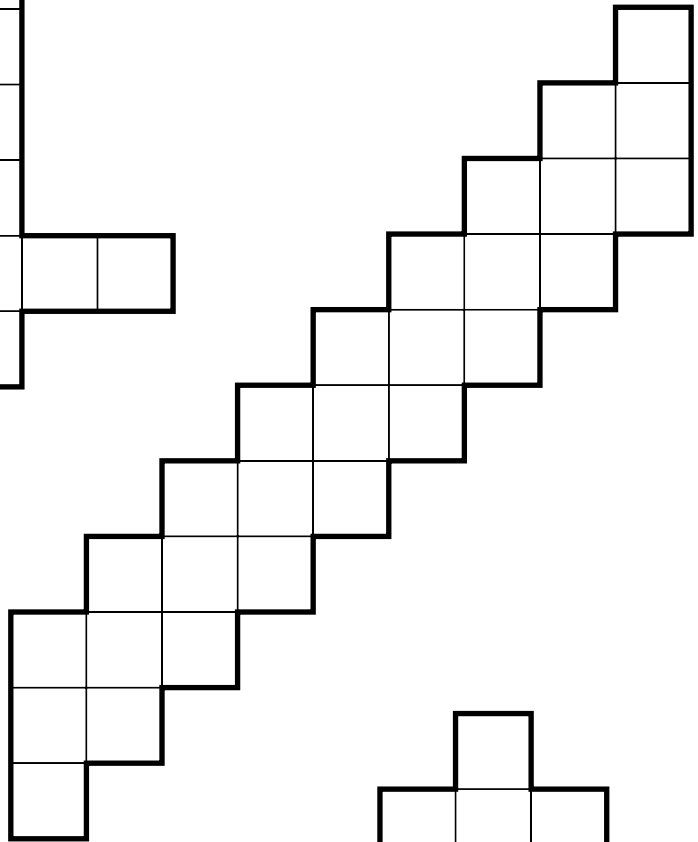
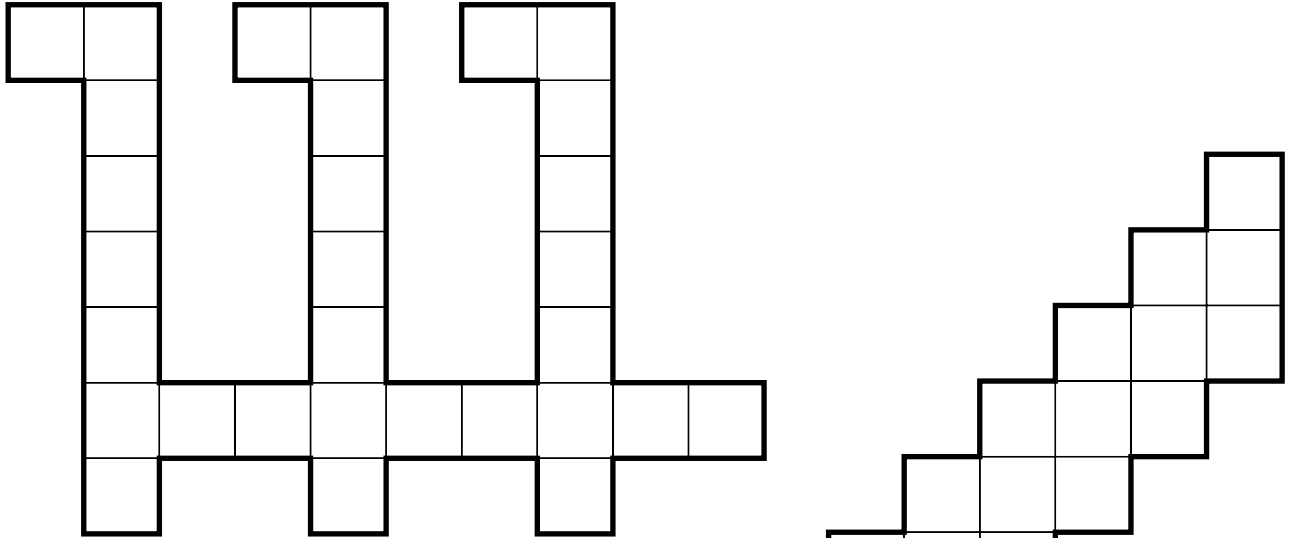
Color each shape one-half red and one-half blue.



Name \_\_\_\_\_

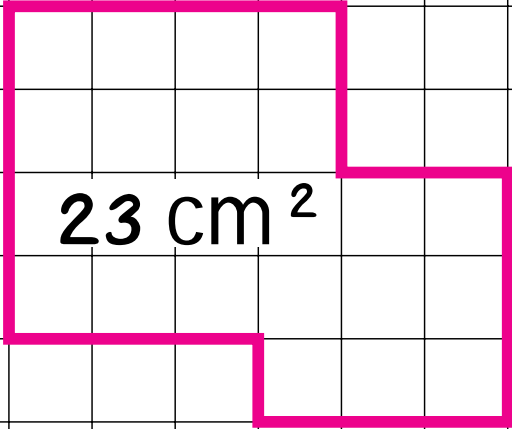
G5    \*\*

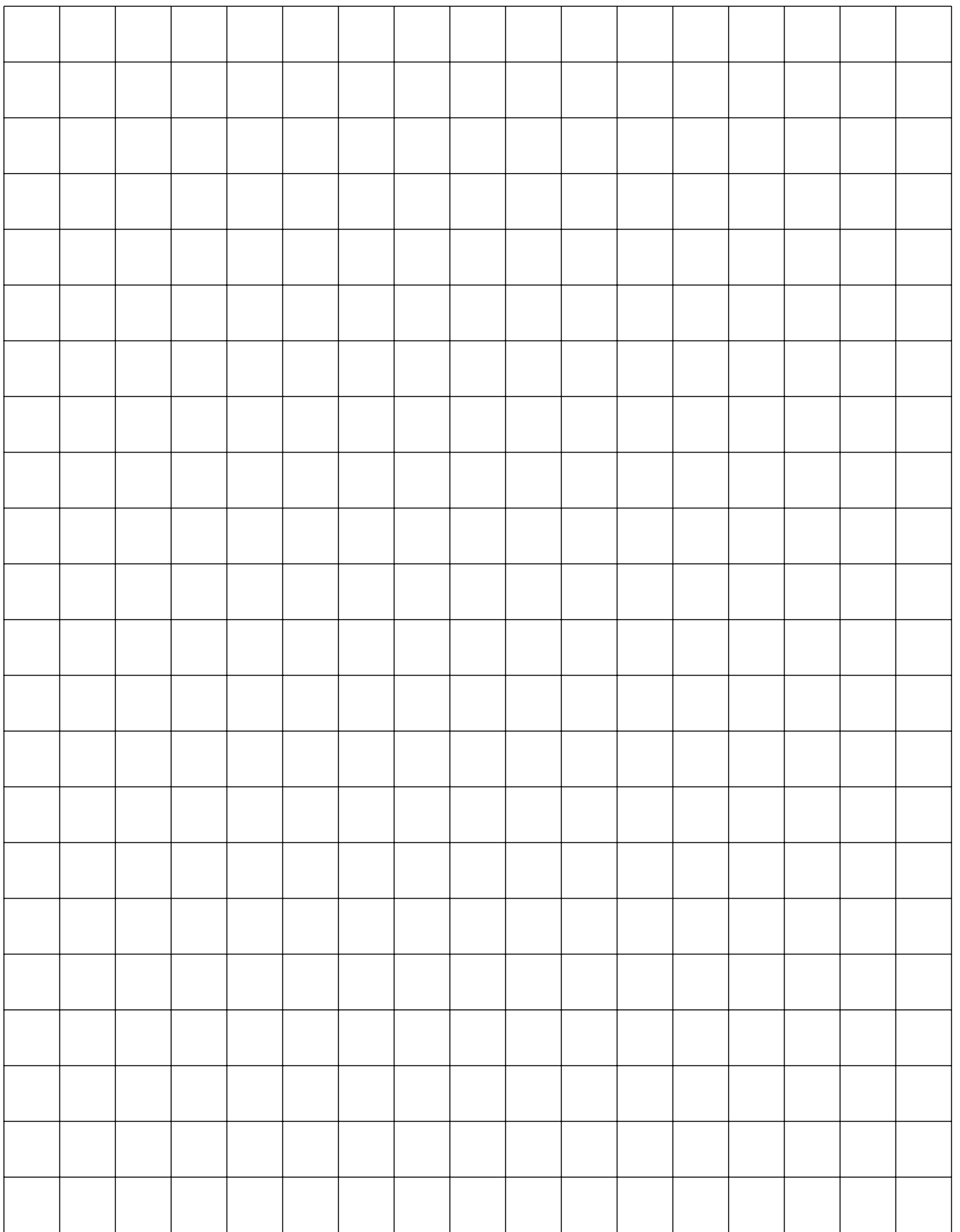
Color each shape one-third red, one-third blue, and one-third green.



Name \_\_\_\_\_

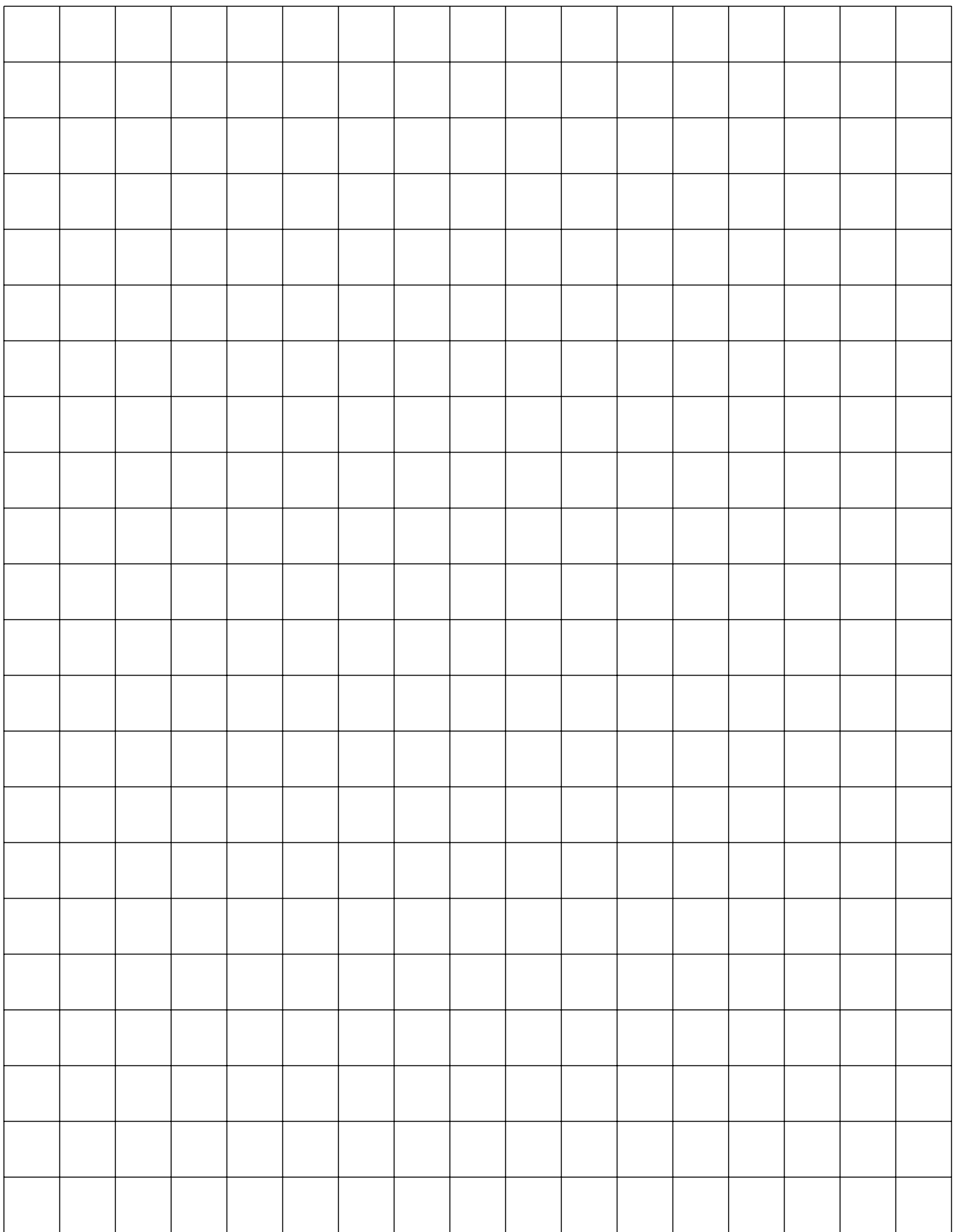
G6(a)





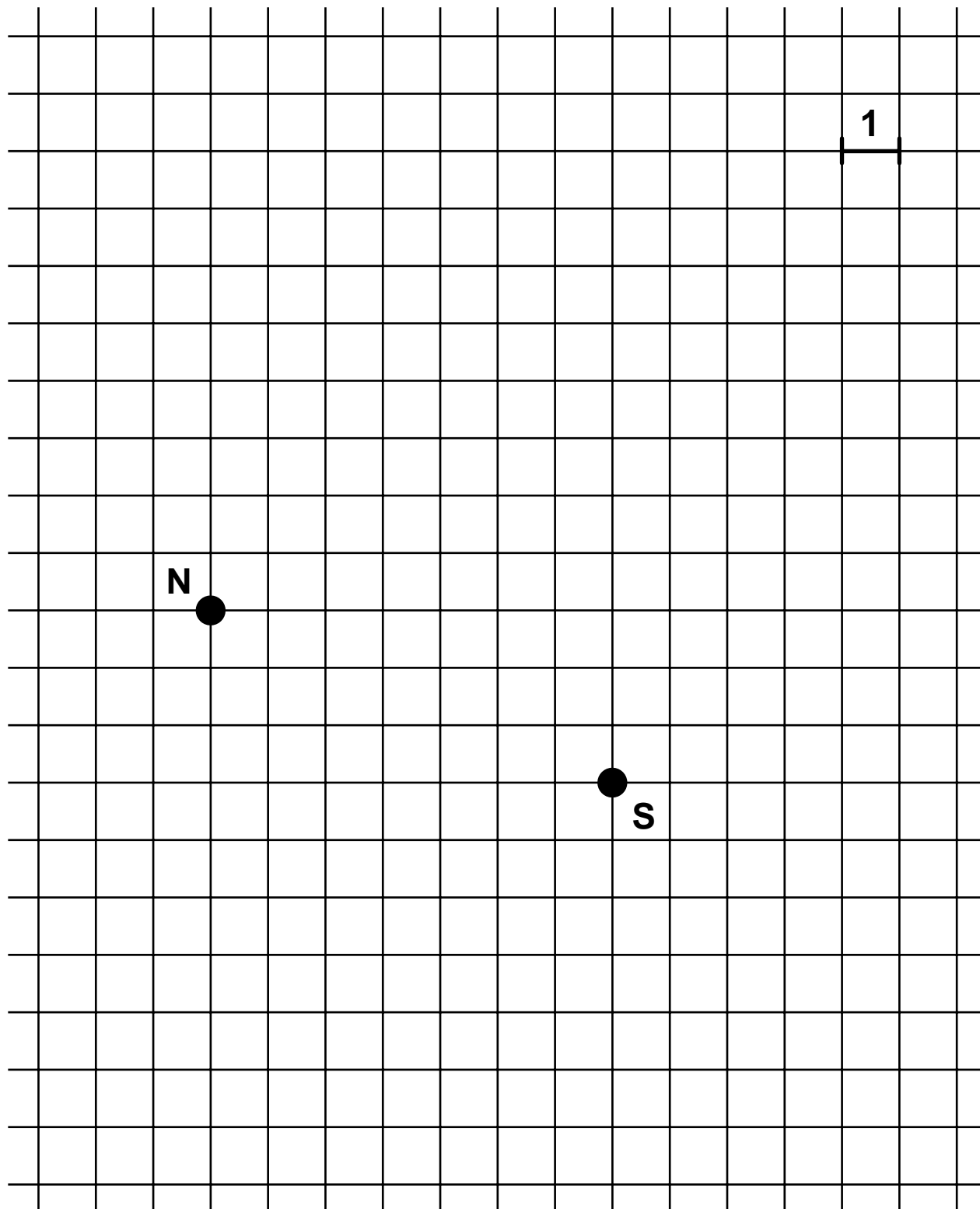






Name \_\_\_\_\_

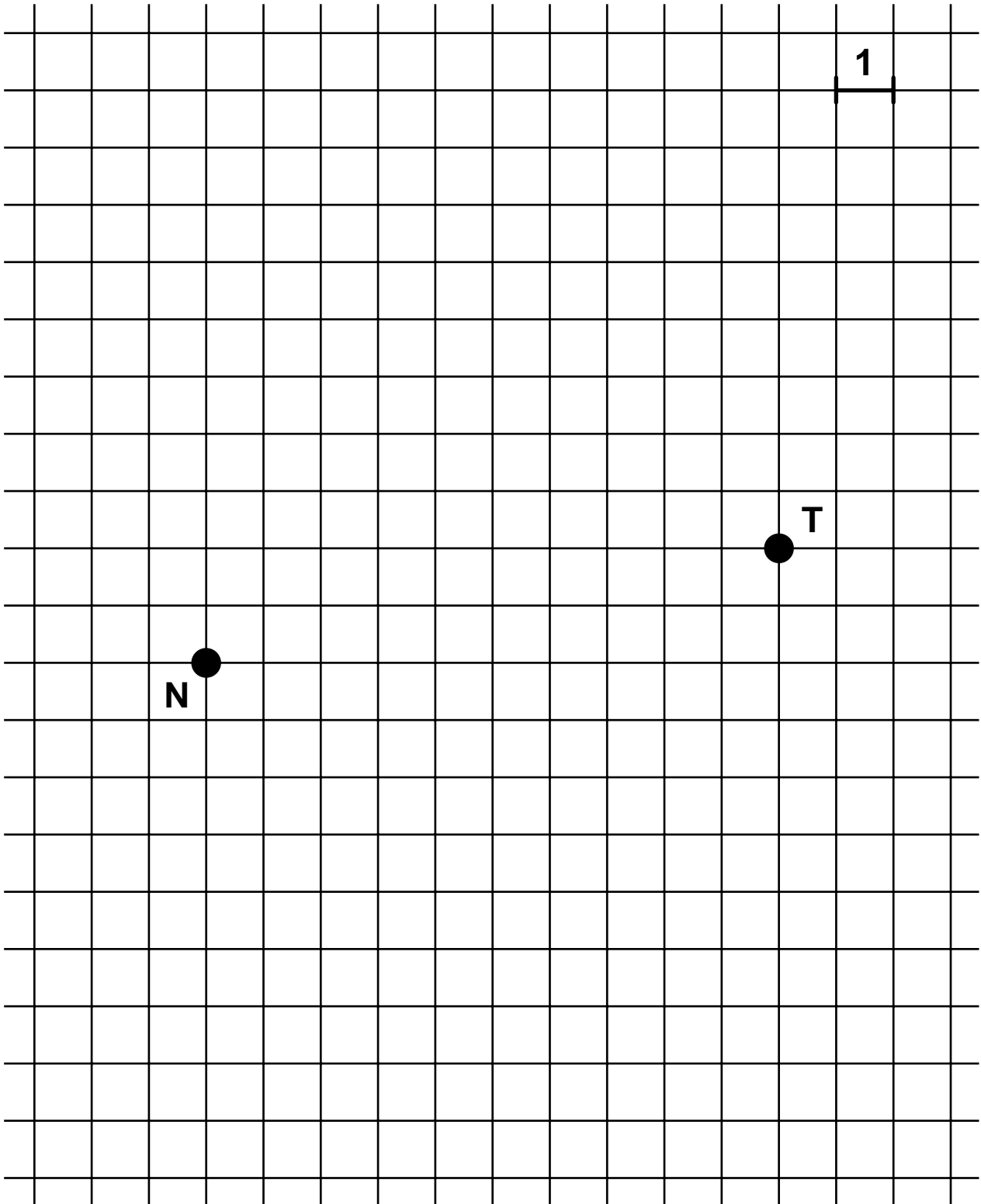
Find points the same taxi-distance from N and from S.  
Color them red.



Name \_\_\_\_\_

G7 \*\*

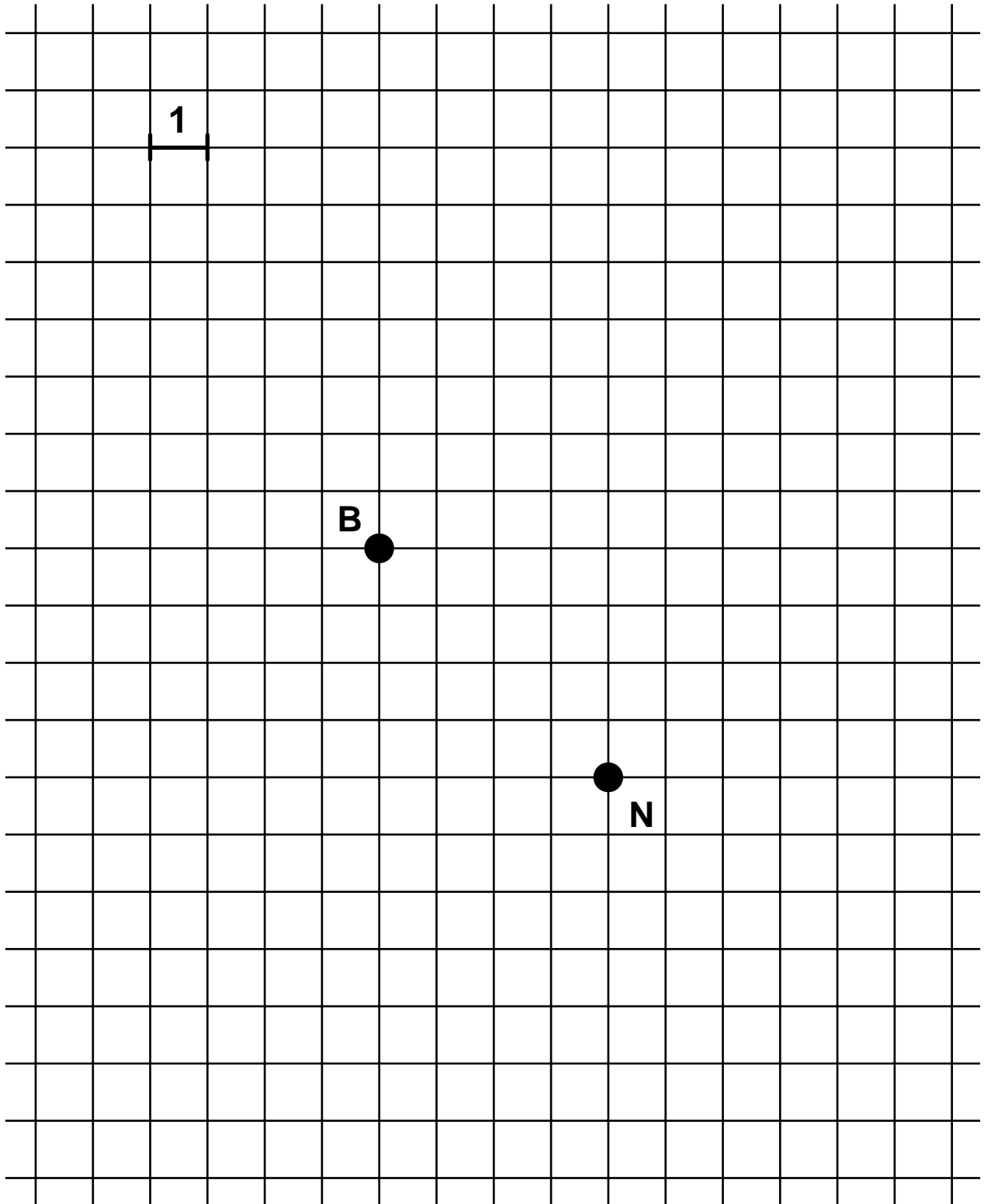
Find points the same taxi-distance from N and from T.  
Color them blue.



Name \_\_\_\_\_

G9

Find points the same taxi-distance from N and from B.  
Color them red.

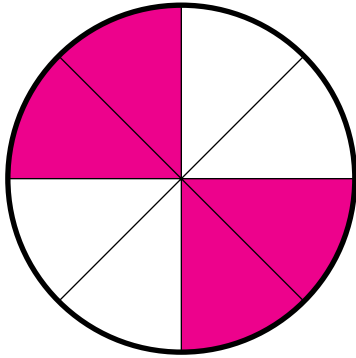


Name \_\_\_\_\_

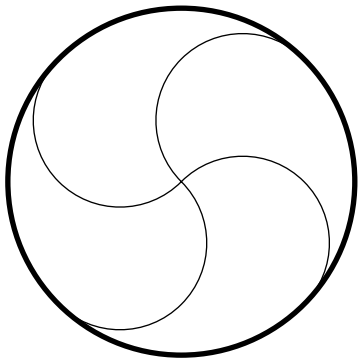
G10 \*

Color exactly one-half of each shape. Use the picture to write another name for  $\frac{1}{2}$ .

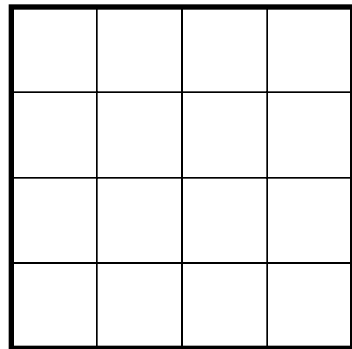
**Example**



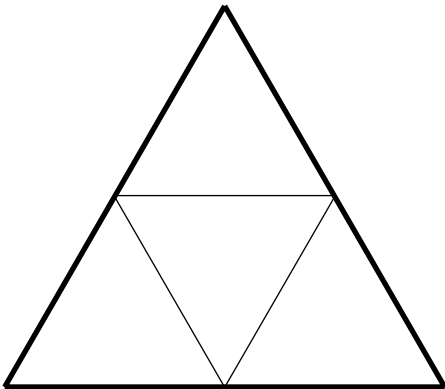
$$\frac{1}{2} = \frac{4}{8}$$



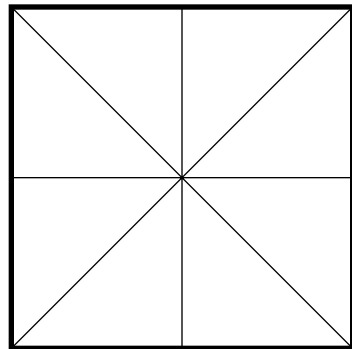
$$\frac{1}{2} = \frac{\quad}{4}$$



$$\frac{1}{2} = \frac{\quad}{16}$$



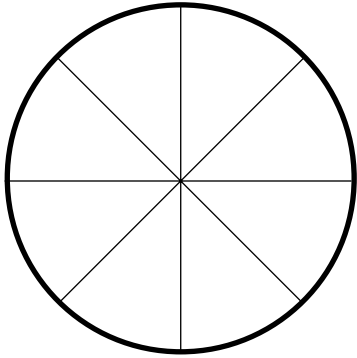
$$\frac{1}{2} = \frac{\quad}{4}$$



$$\frac{1}{2} = \frac{\quad}{8}$$

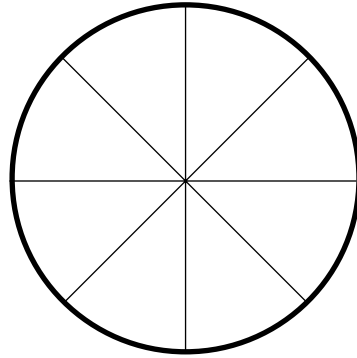
Name \_\_\_\_\_

Color one-eighth of this shape.



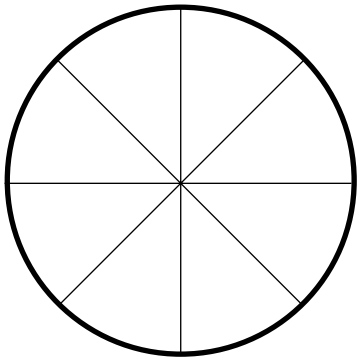
$\frac{1}{8}$

Color three-eighths of this shape.



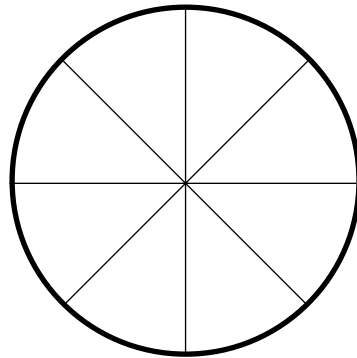
$\frac{3}{8}$

Color four-eighths of this shape.



$\frac{4}{8}$

Color seven-eighths of this shape.



$\frac{7}{8}$

Circle the name for  $\frac{1}{2}$ .

$\frac{1}{8}$

$\frac{3}{8}$

$\frac{4}{8}$

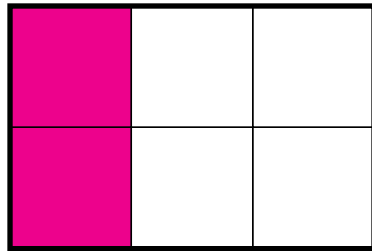
$\frac{7}{8}$

Name \_\_\_\_\_

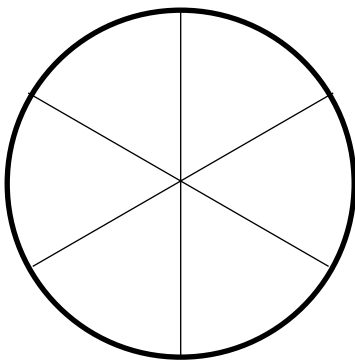
G10 \*\*\*

Color exactly one-third of each shape. Use the picture to write another name for  $\frac{1}{3}$ .

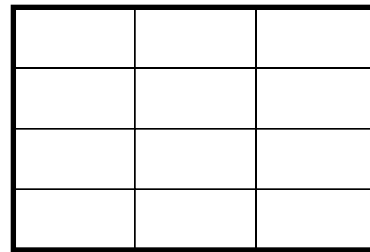
Example



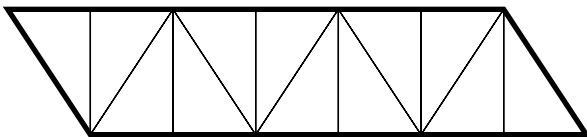
$$\frac{1}{3} = \frac{2}{6}$$



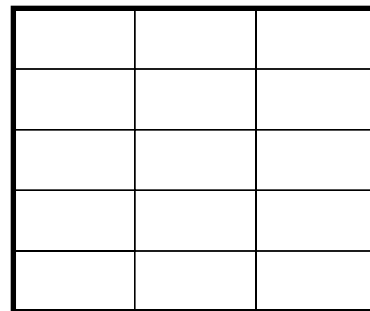
$$\frac{1}{3} = \frac{\quad}{6}$$



$$\frac{1}{3} = \frac{\quad}{12}$$



$$\frac{1}{3} = \frac{\quad}{\quad}$$

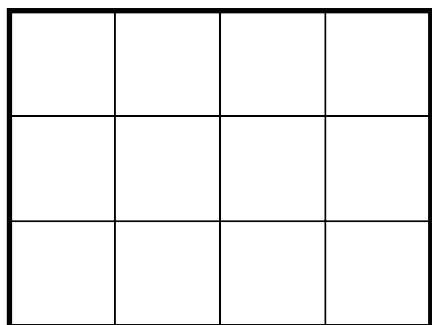


$$\frac{1}{3} = \frac{\quad}{\quad}$$

Name \_\_\_\_\_

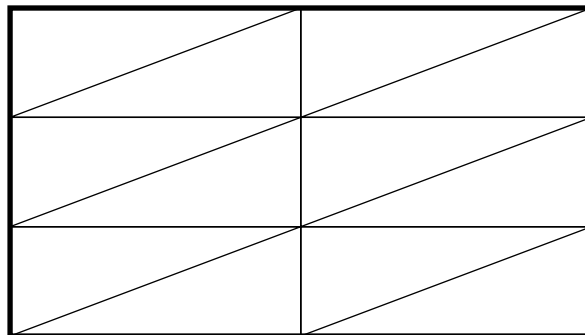
G10 \*\*\*\*

Color one-twelfth of this shape.



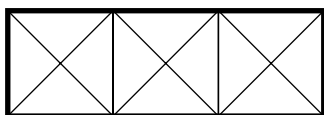
$$\frac{1}{12}$$

Color six-twelfths of this shape.



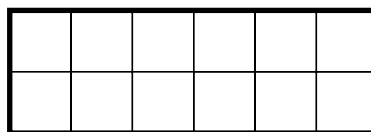
$$\frac{6}{12}$$

Color four-twelfths of this shape.



$$\frac{4}{12}$$

Color seven-twelfths of this shape.



$$\frac{7}{12}$$

Circle the name for  $\frac{1}{2}$ :

$$\frac{1}{12}$$

$$\frac{6}{12}$$

$$\frac{4}{12}$$

$$\frac{7}{12}$$

Circle the name for  $\frac{1}{3}$ :

$$\frac{1}{12}$$

$$\frac{6}{12}$$

$$\frac{4}{12}$$

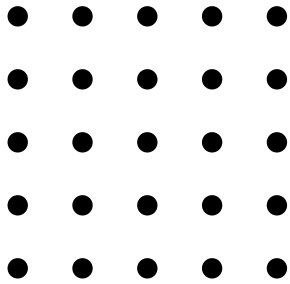
$$\frac{7}{12}$$



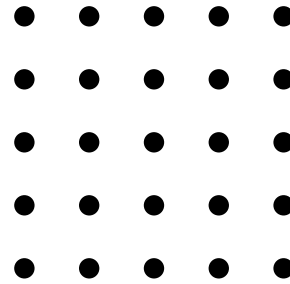
Name \_\_\_\_\_

G11

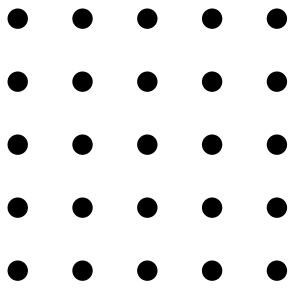
Zero Square Corners



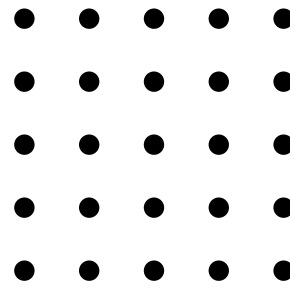
One Square Corner



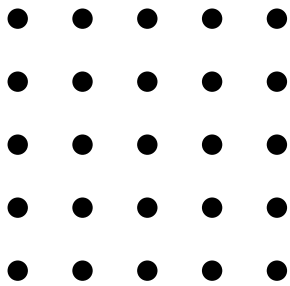
Two Square Corners



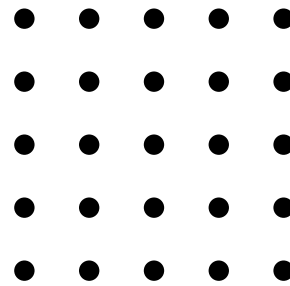
Three Square Corners



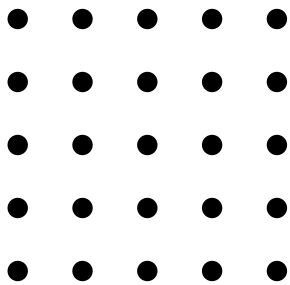
Four Square Corners



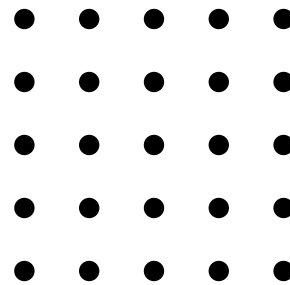
Five Square Corners

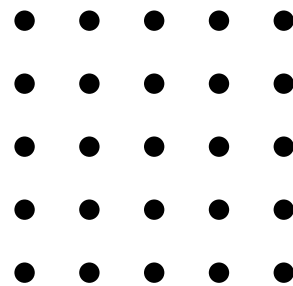
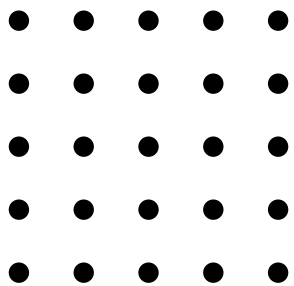
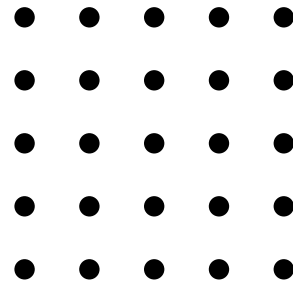
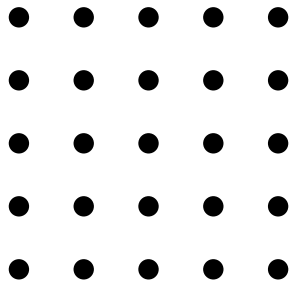
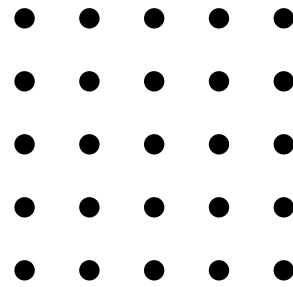
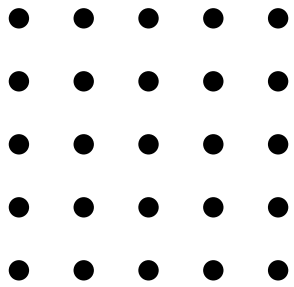
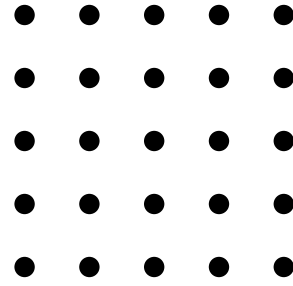
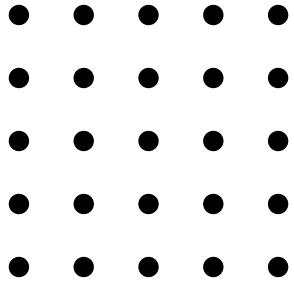


Six Square Corners



Seven Square Corners

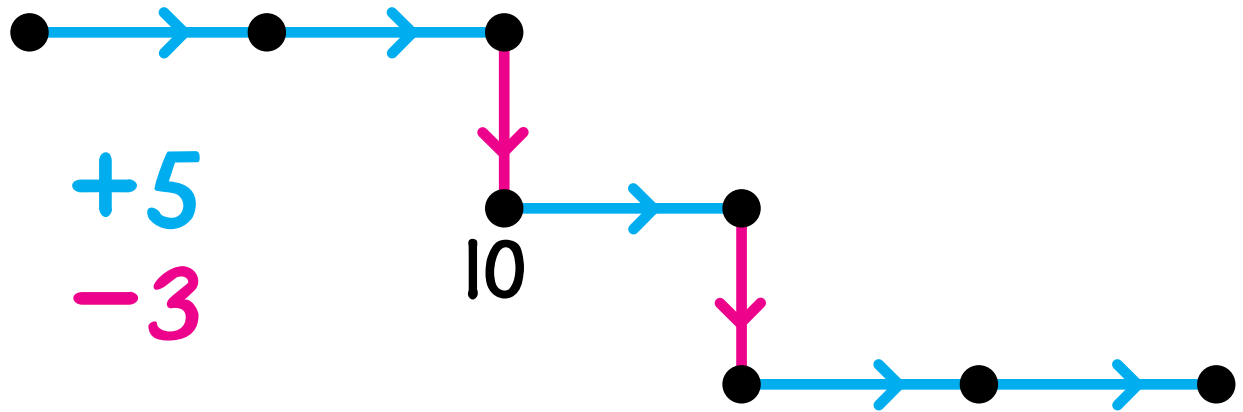




Name \_\_\_\_\_

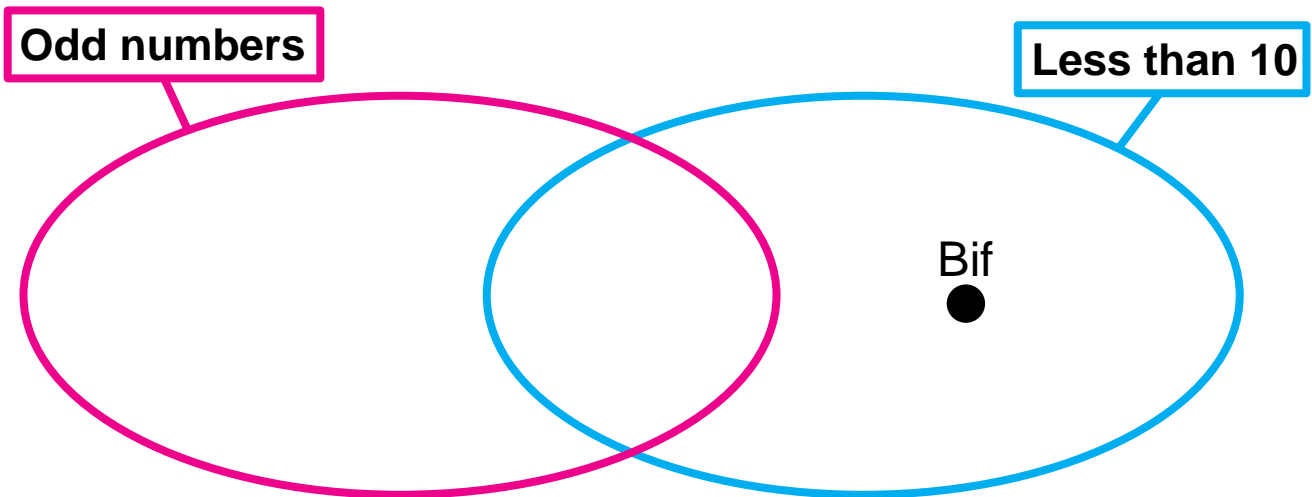
W1 \* \_\_\_\_\_

Bif is a secret number.  
Bif is in this arrow picture. Label the dots.



---

Bif is in this string picture. Put the numbers from the arrow picture in this string picture.

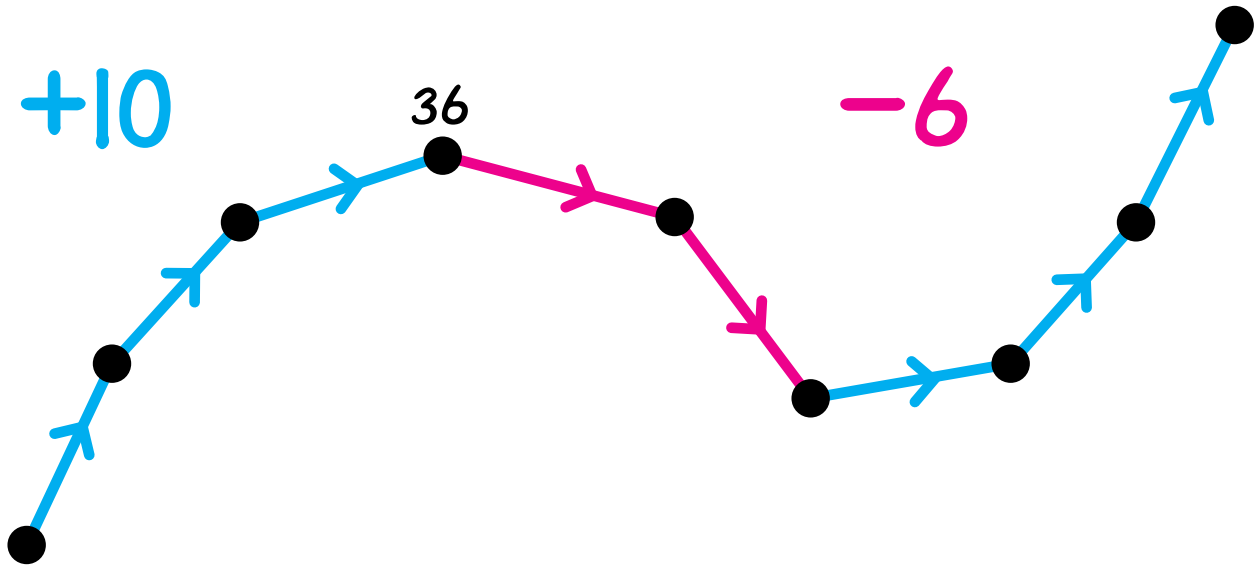


Who is Bif? \_\_\_\_\_

Name \_\_\_\_\_

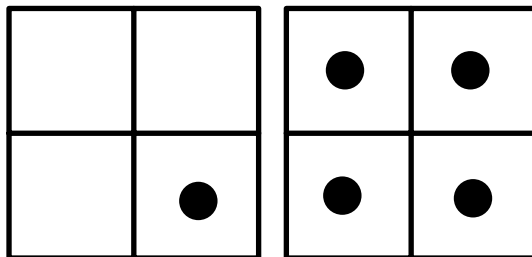
W1    \*\*

Zip is a secret number.  
Zip is in this arrow picture. Label the dots.



---

Zip can be put on the Minicomputer by taking off just one checker. Cross out one checker to show Zip.

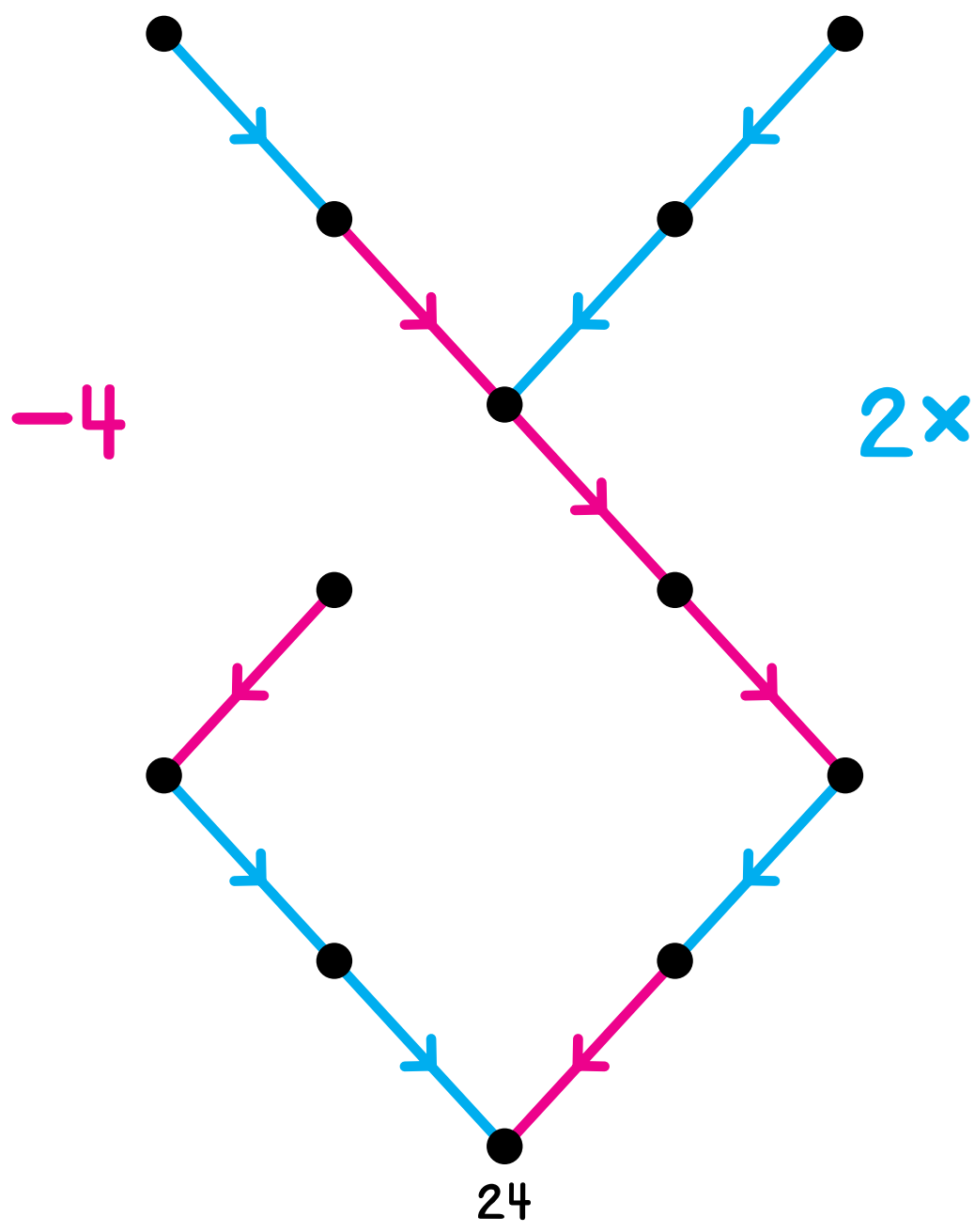


Who is Zip? \_\_\_\_\_

Name \_\_\_\_\_

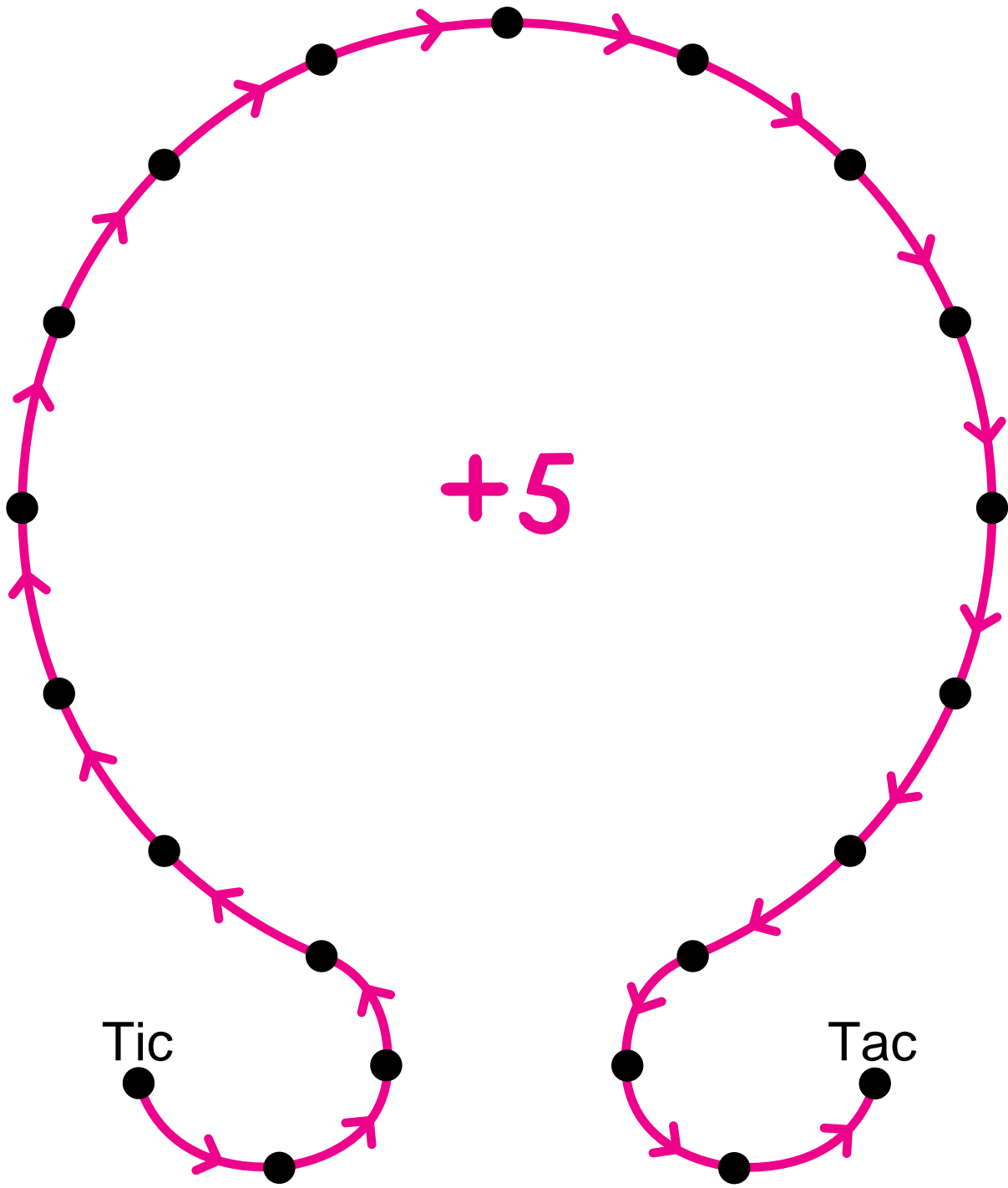
W15

Label the dots.



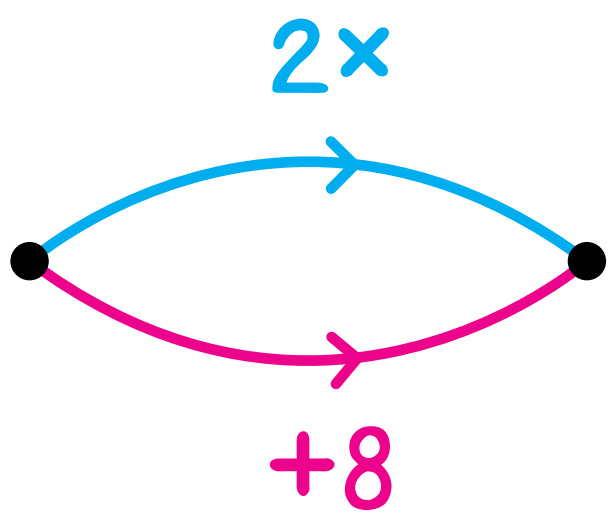
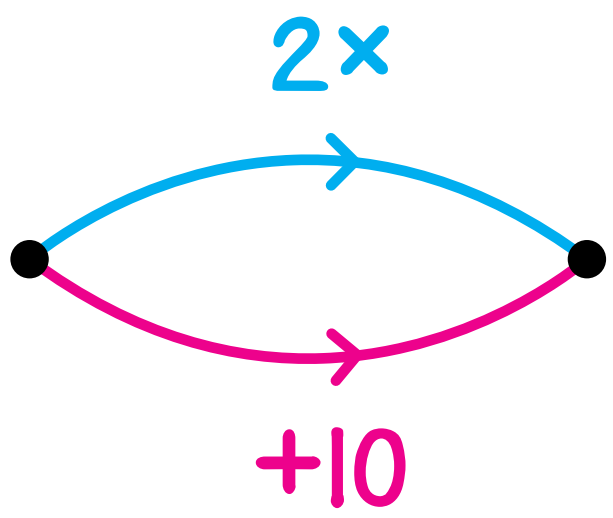
Name \_\_\_\_\_

W18



Name \_\_\_\_\_

Label the dots.



Name \_\_\_\_\_

Label the dots.

