

**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

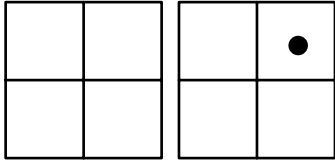
G1	G5	G9
G2	G6	G10
G4	G7	G11

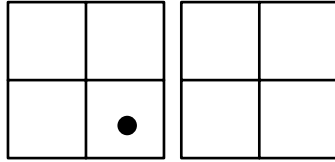
W Worksheets

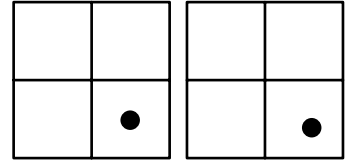
W1	W15	W18
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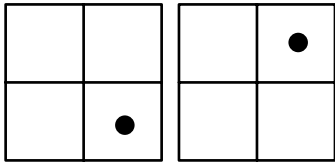
Name _____

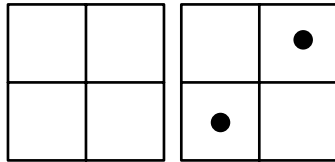
What number is on the Minicomputer?

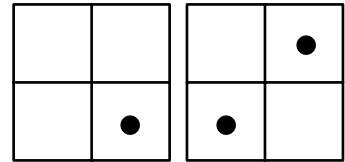


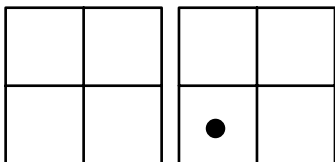


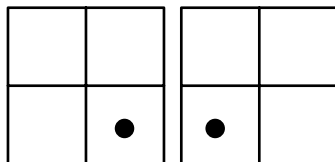


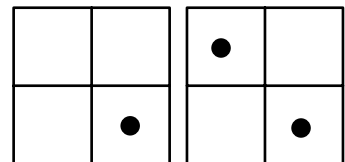












Name _____

N1 **

Put these numbers on the Minicomputer.

3 4

5 8

7 0

6 9

9 3

3 7

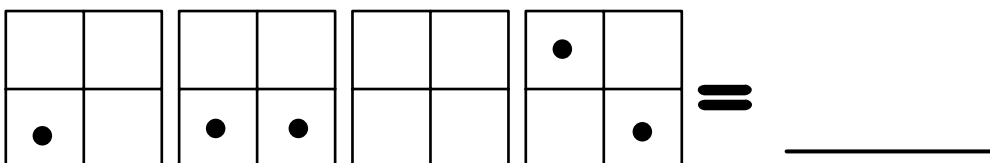
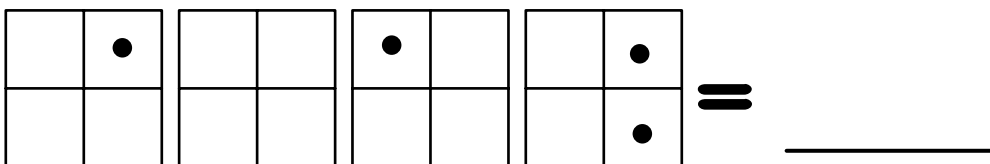
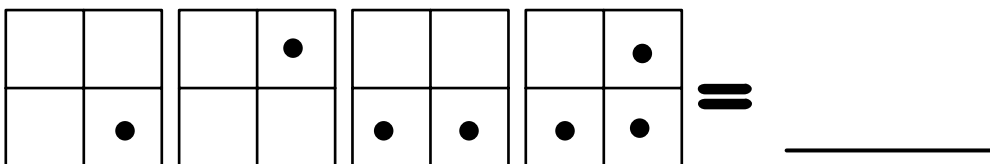
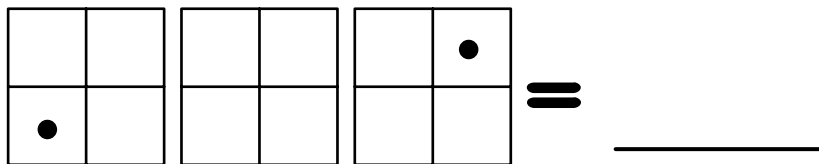
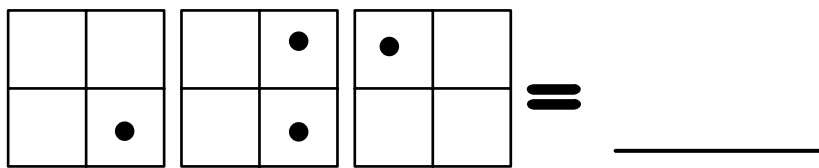
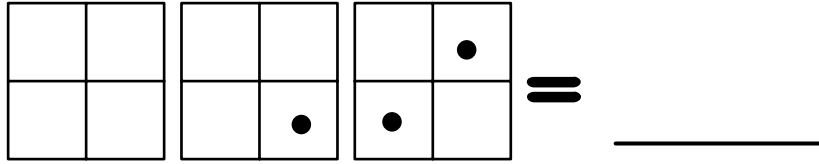
5 6

7 5

Name _____

N1

What number is on the Minicomputer?



Name _____

N1

Put each number on the ones board of the Minicomputer.

$9 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array}$

$19 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array}$

$16 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array}$

$25 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array}$

$7 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array}$

$30 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array}$

$10 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array}$

$51 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array}$

$15 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array}$

$37 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array}$

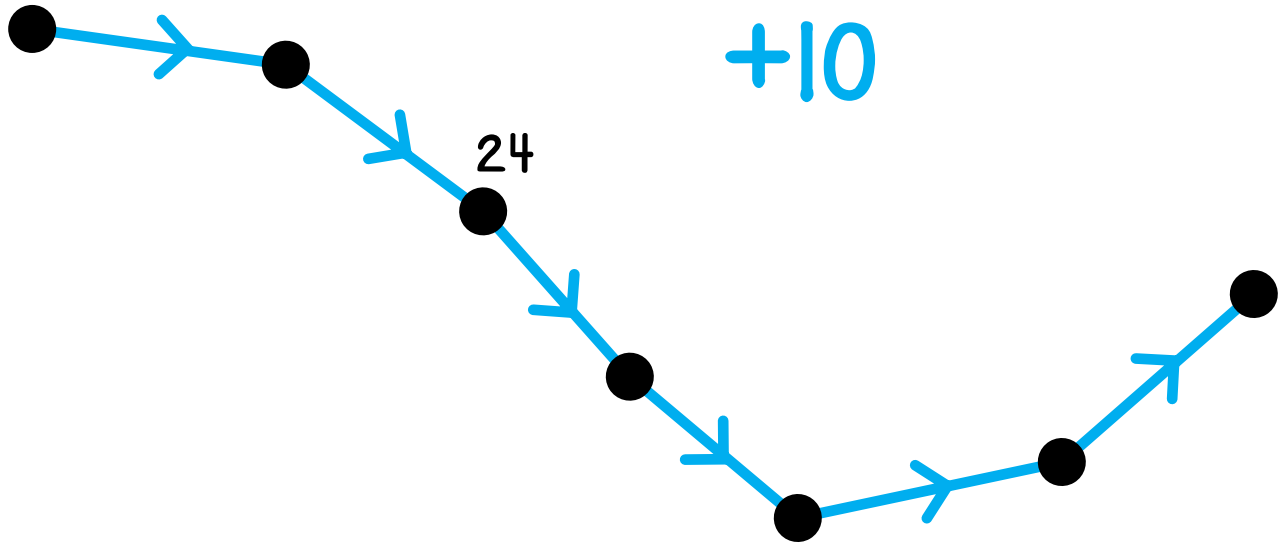
$12 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array}$

$55 = \begin{array}{|c|c|} \hline & \\ \hline & \\ \hline \end{array}$

Name _____

N6 *

Label the dots.



Complete.

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

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

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

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

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

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

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

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

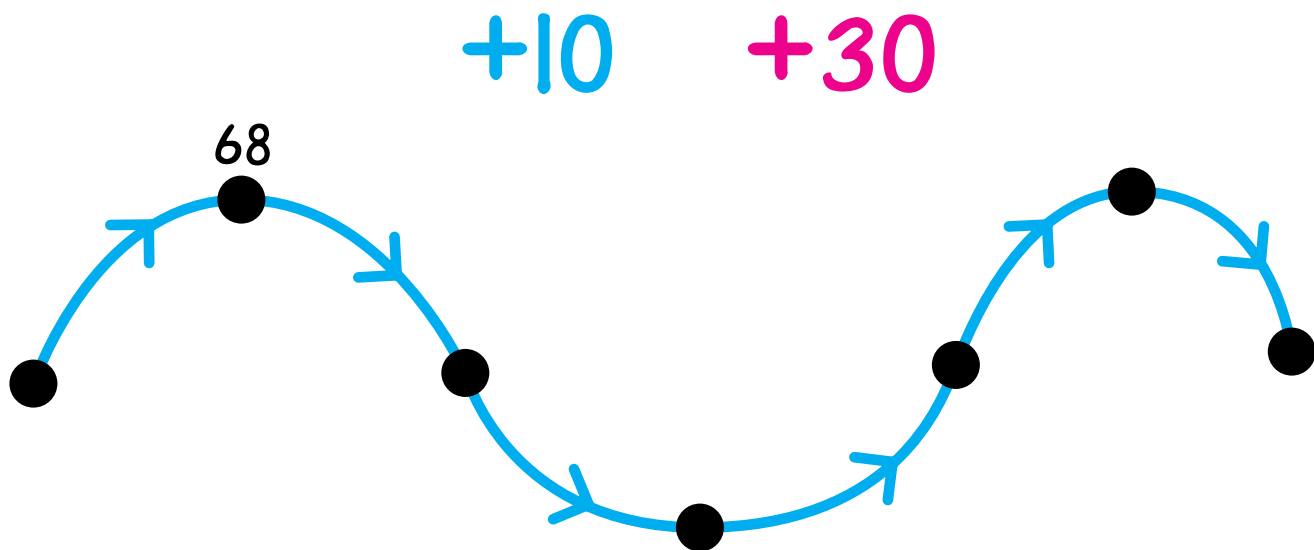
$$\begin{array}{r} 105 \\ + 10 \\ \hline \end{array}$$

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

Name _____

N6 **

Label the dots. Draw +30 arrows in red.



Complete.

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

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

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

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

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

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

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

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

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

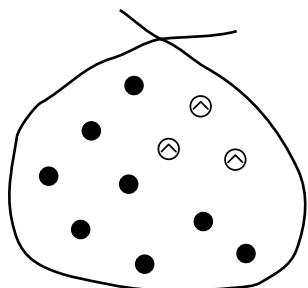
$$\begin{array}{r} 75 \\ + 30 \\ \hline \end{array}$$

Name _____

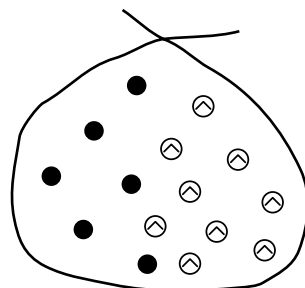
N9



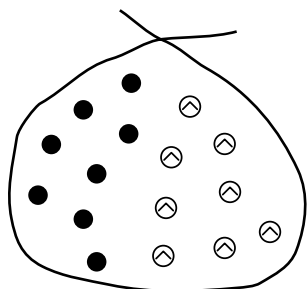
Complete.



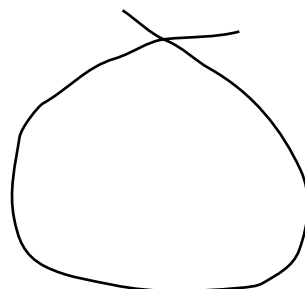
$$8 + \hat{3} = \underline{\hspace{2cm}}$$



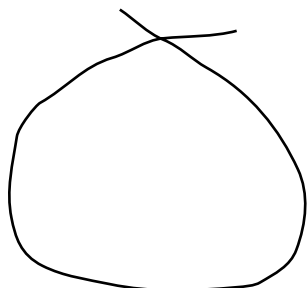
$$6 + \hat{9} = \underline{\hspace{2cm}}$$



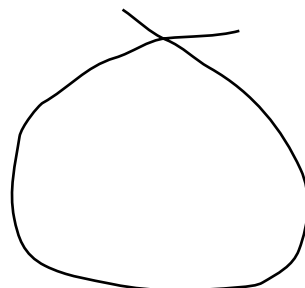
$$\hat{8} + 8 = \underline{\hspace{2cm}}$$



$$15 + \hat{7} = \underline{\hspace{2cm}}$$



$$12 + \hat{5} = \underline{\hspace{2cm}}$$

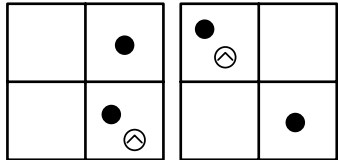


$$\hat{10} + 3 = \underline{\hspace{2cm}}$$

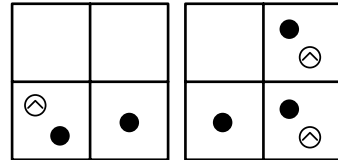
Name _____

N9 **

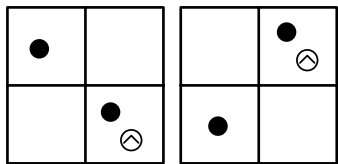
Complete.



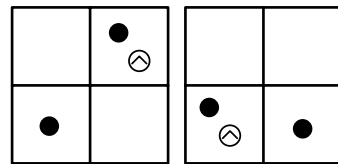
$$59 + 18 = \underline{\hspace{2cm}}$$



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



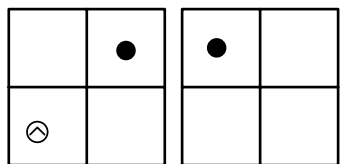
$$96 + 14 = \underline{\hspace{2cm}}$$



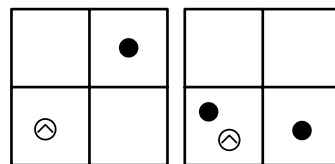
$$63 + 42 = \underline{\hspace{2cm}}$$

Name _____

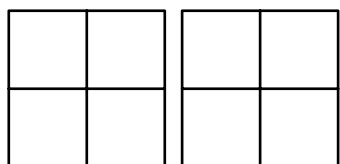
Complete.



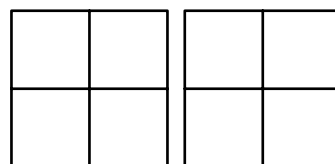
$$48 + \widehat{20} = \underline{\hspace{2cm}}$$



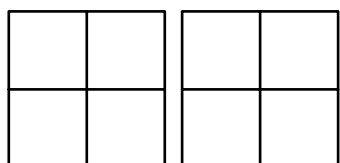
$$43 + \widehat{22} = \underline{\hspace{2cm}}$$



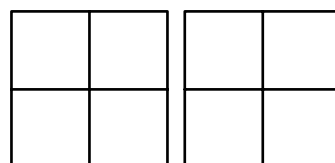
$$24 + \widehat{10} = \underline{\hspace{2cm}}$$



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



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



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

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

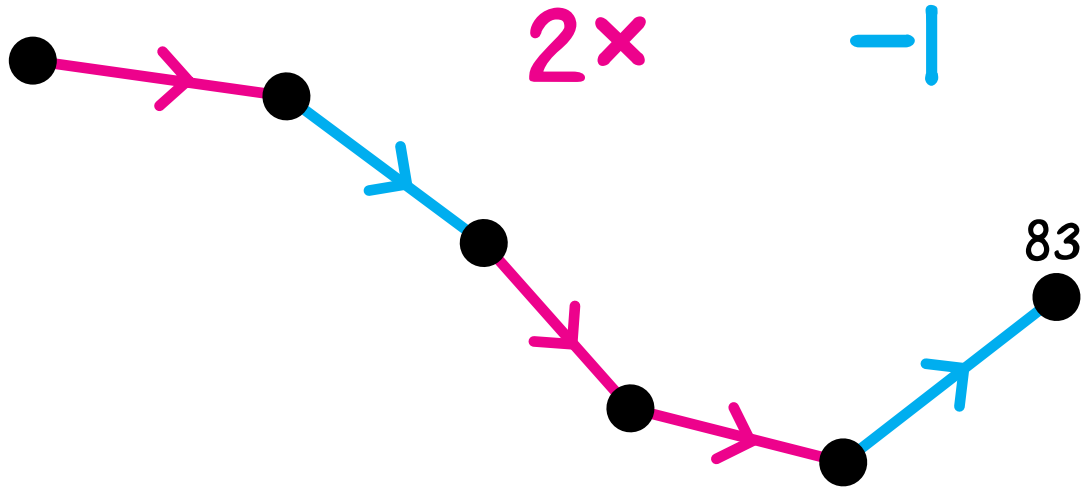
2. Las Vegas to Tenopah to Silver Spring is _____ km.

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.

$2 \times 15 = \underline{\quad}$

$\frac{1}{2} \times 32 = \underline{\quad}$

$2 \times 25 = \underline{\quad}$

$\frac{1}{2} \times 52 = \underline{\quad}$

$2 \times 35 = \underline{\quad}$

$\frac{1}{2} \times 72 = \underline{\quad}$

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.

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

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

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

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

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

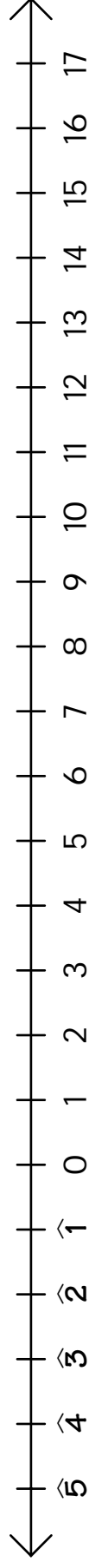
$$\begin{array}{r} 3\Box\Box \\ + \Box17 \\ \hline 532 \end{array}$$

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

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

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

Name _____



Complete.

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

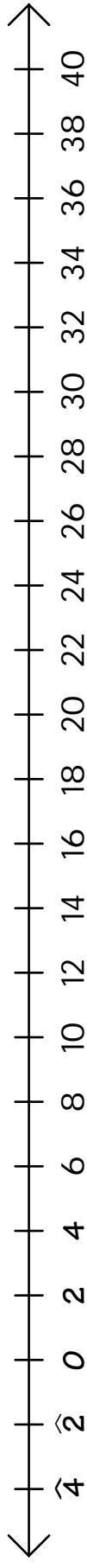
$$11 - 10 = \underline{\quad\quad}$$
$$9 - 10 = \underline{\quad\quad}$$

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

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

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

Name _____



Complete.

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

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

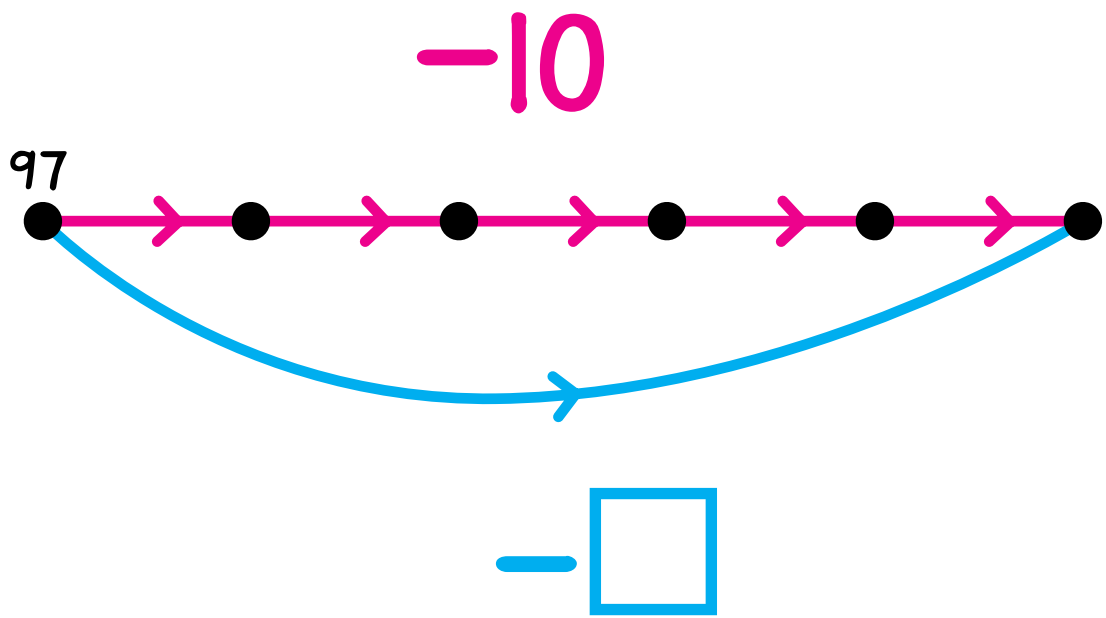
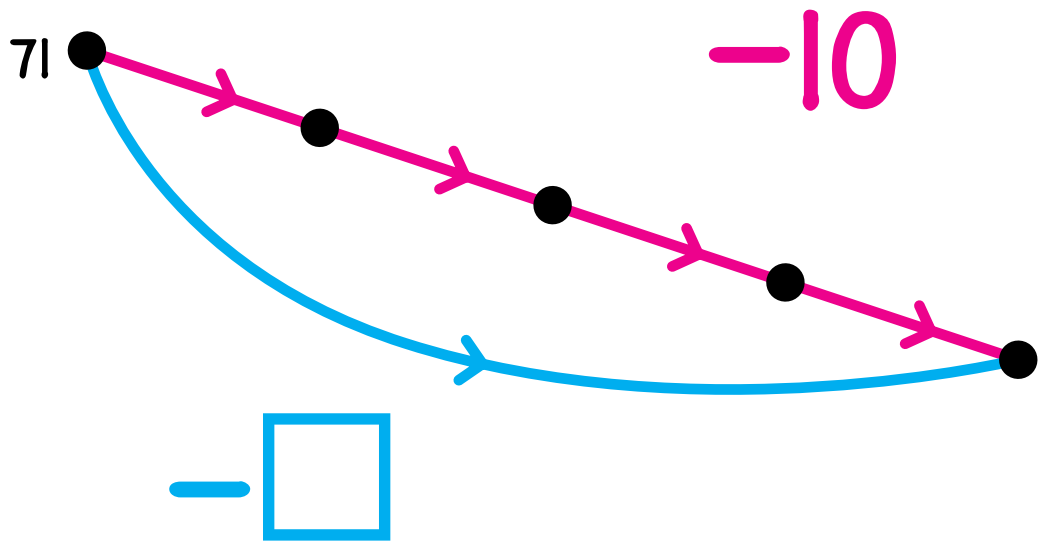
$$32 - 10 = \underline{\quad\quad} \quad 26 - 10 = \underline{\quad\quad} \quad 38 - 20 = \underline{\quad\quad}$$

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

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

Name _____

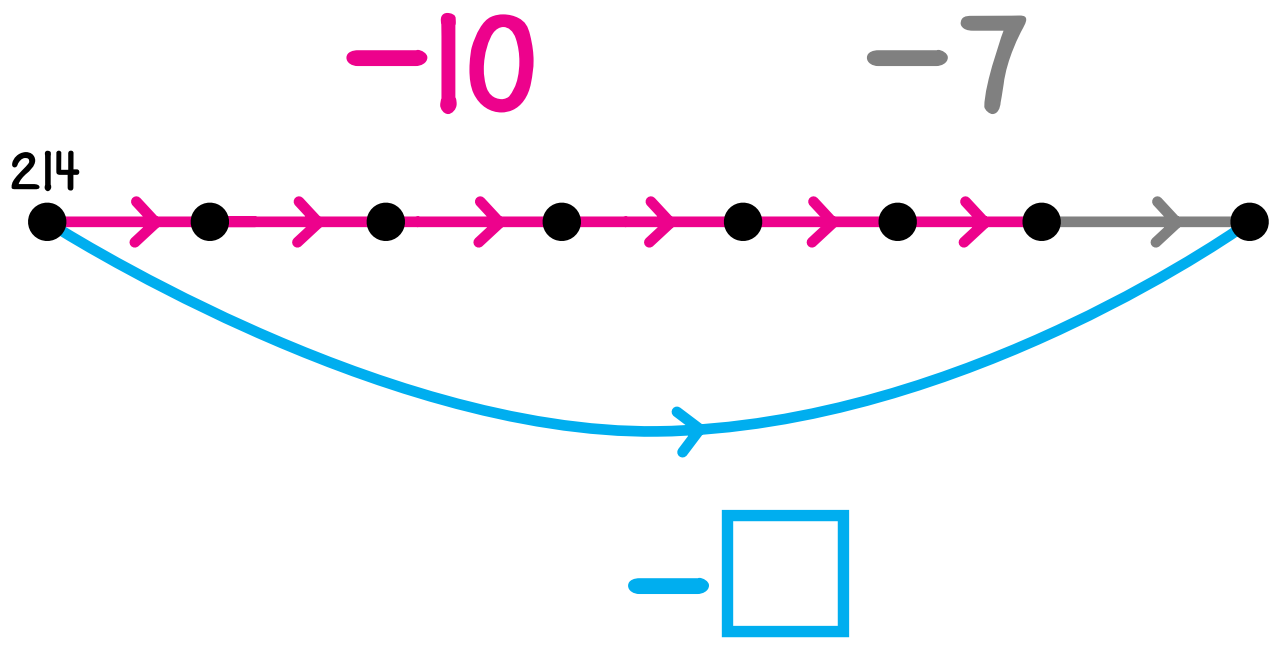
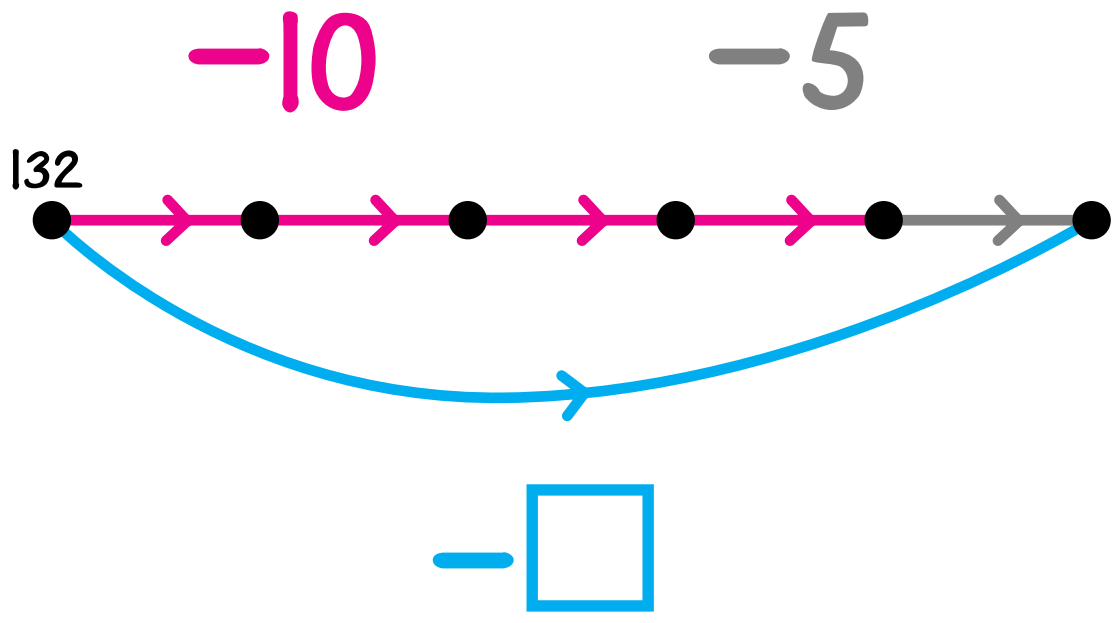
Label the dots. Fill in the box for each blue arrow.



Name _____

N22 *****

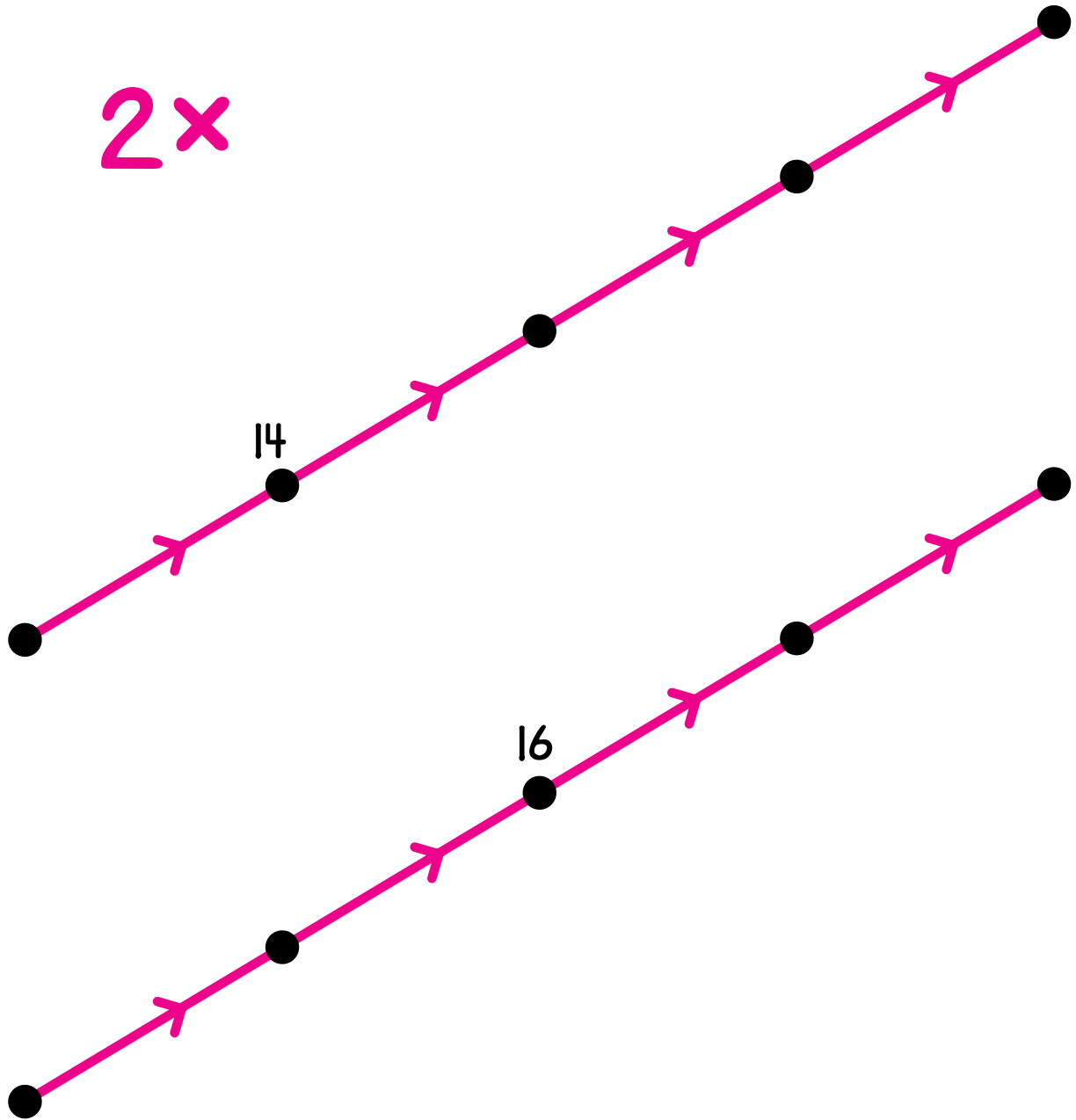
Label the dots. Fill in the box for each blue arrow.



Name _____

N24 *

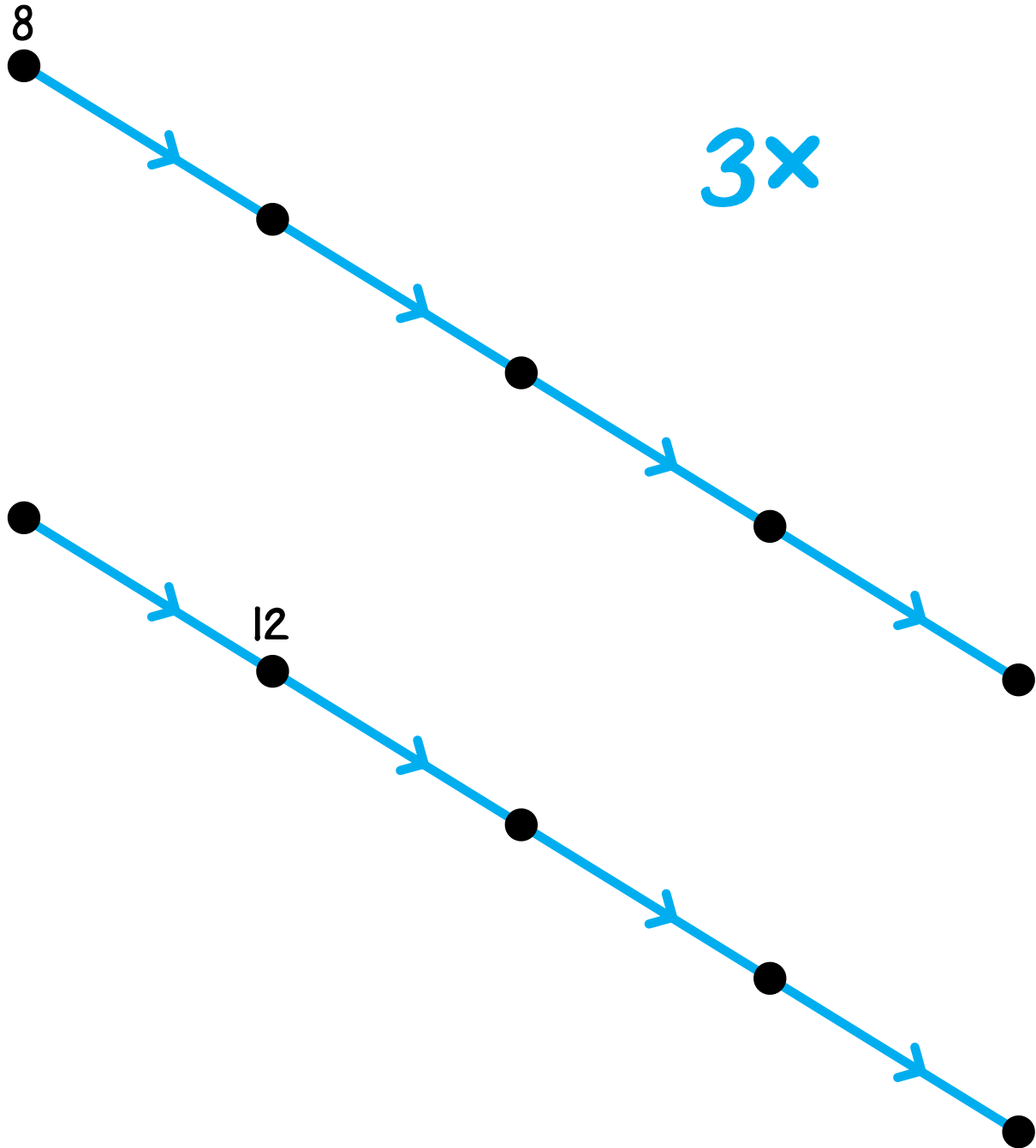
Label the dots.



Name _____

N24 **

Label the dots.

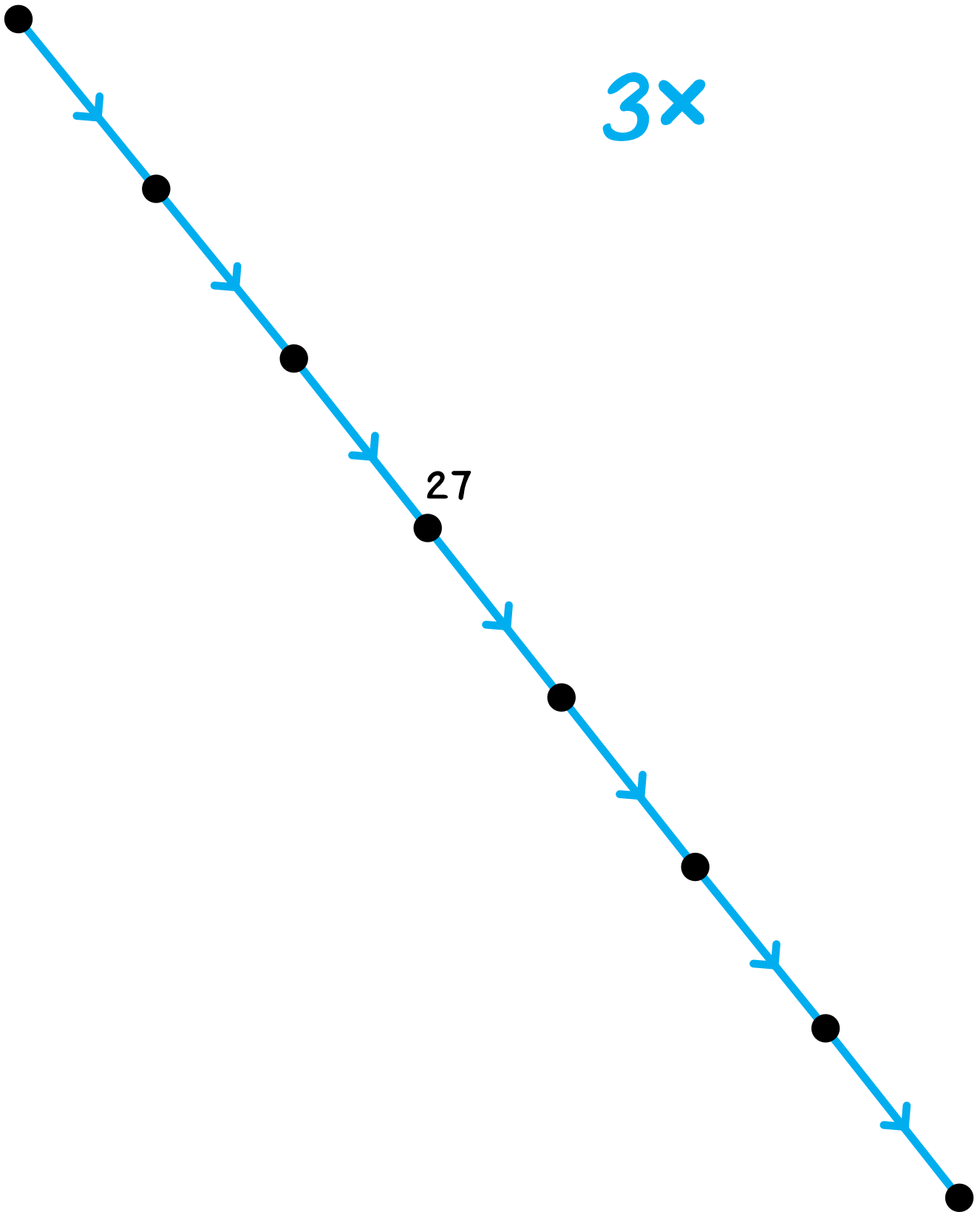


Name _____

N24

Label the dots.

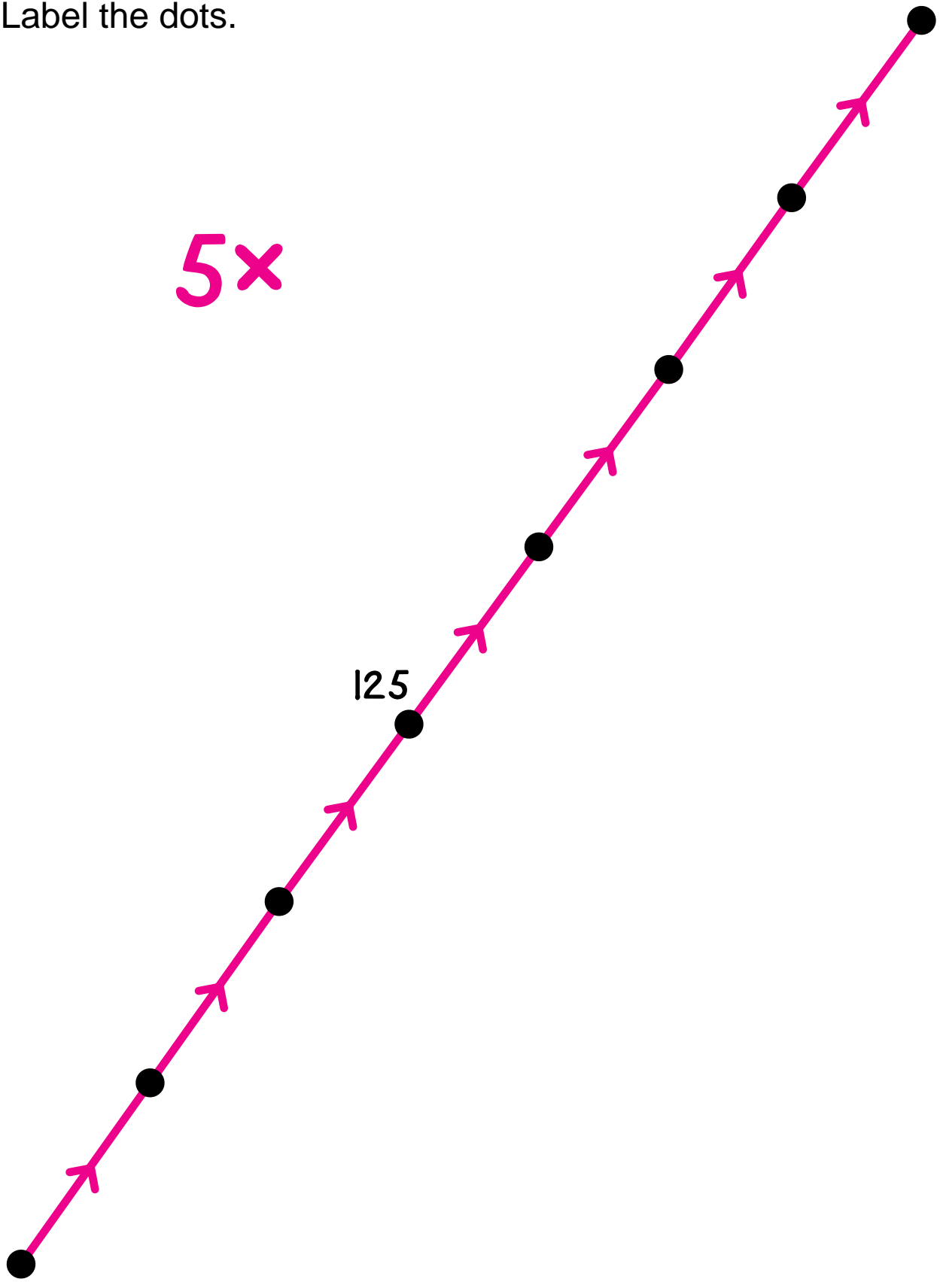
3x



Name _____

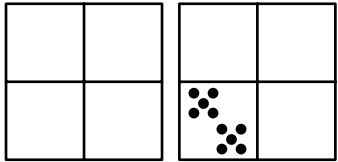
N24 * * * *

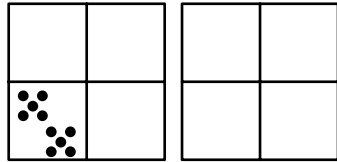
Label the dots.

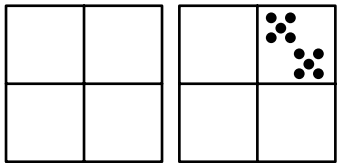


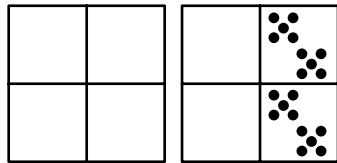
Name _____

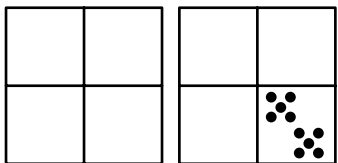
What number is on the Minicomputer?

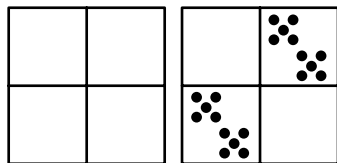
 = _____

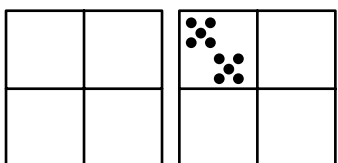
 = _____

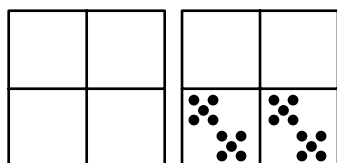
 = _____

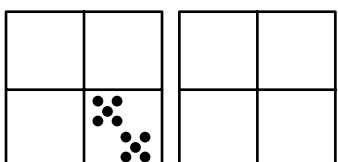
 = _____

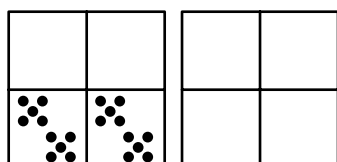
 = _____

 = _____

 = _____

 = _____

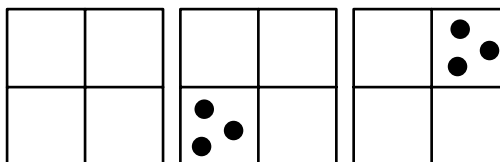
 = _____

 = _____

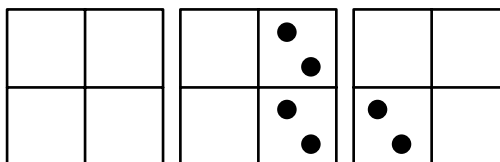
Name _____

N25 **

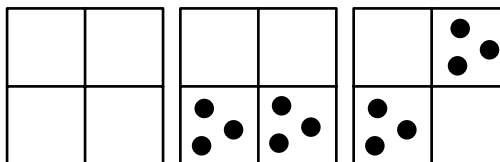
1. Find the number of soda bottles in three cartons. One carton has 24 bottles.



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 _____

N29

**

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 =

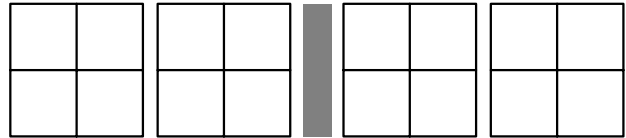
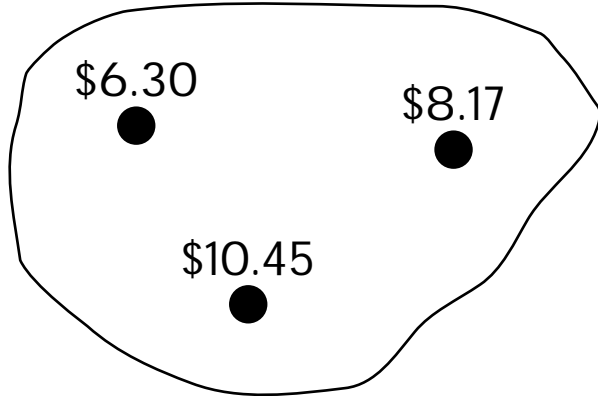
3.09 =

0.4 =

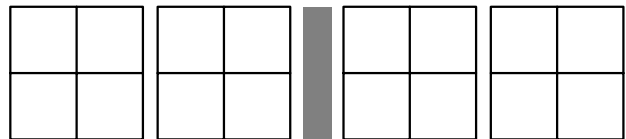
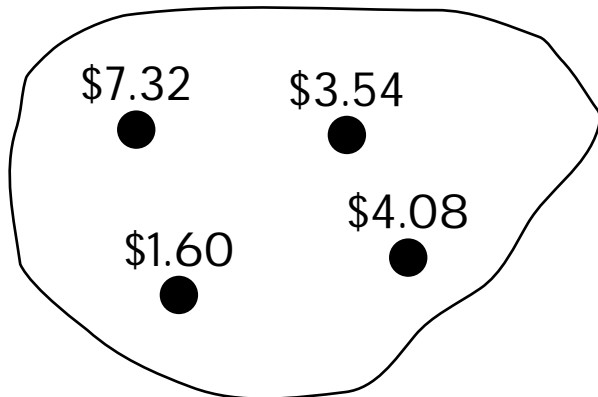
Name _____

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.

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

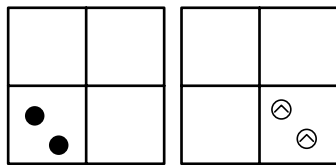
$$\begin{array}{r} 73\Box \\ + \Box6 \\ \hline \Box83 \end{array}$$

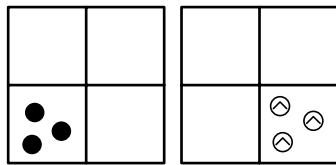
$$\begin{array}{r} \Box72 \\ + 5\Box\Box \\ \hline 906 \end{array}$$

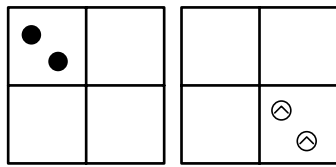
$$\begin{array}{r} 5\Box\Box \\ + 14\Box \\ \hline 700 \end{array}$$

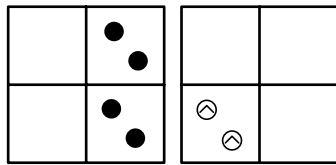
Name _____

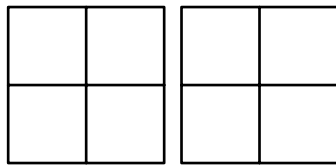
N33(b)

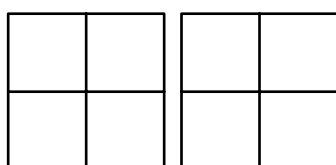
 = $2 \times 19 =$ _____

 = $3 \times 19 =$ _____

 = $2 \times 79 =$ _____

 = $2 \times 48 =$ _____

 = $2 \times 29 =$ _____

 = $3 \times 29 =$ _____

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?

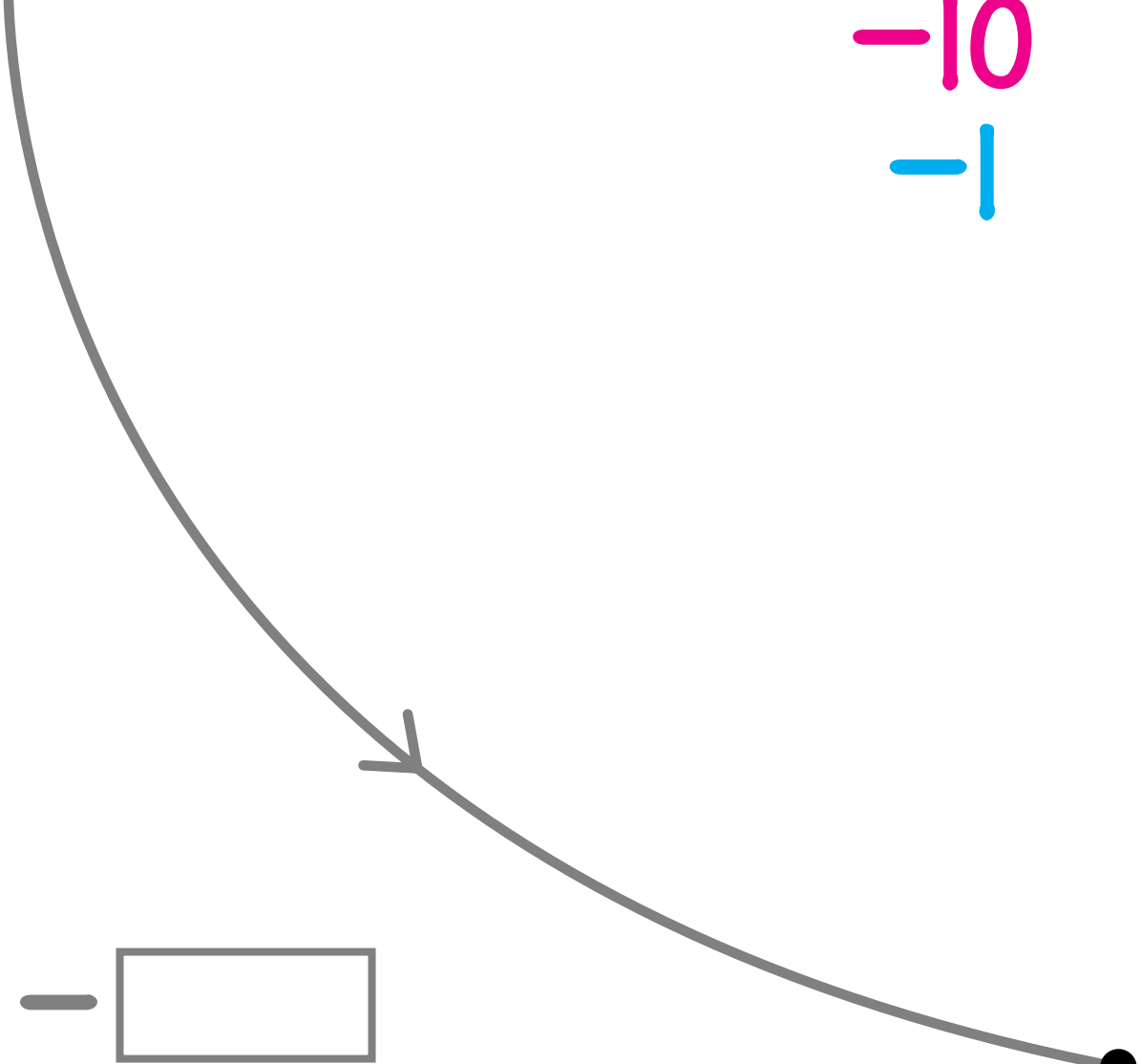
Show your work in this box.

Name _____

N36 *

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

70



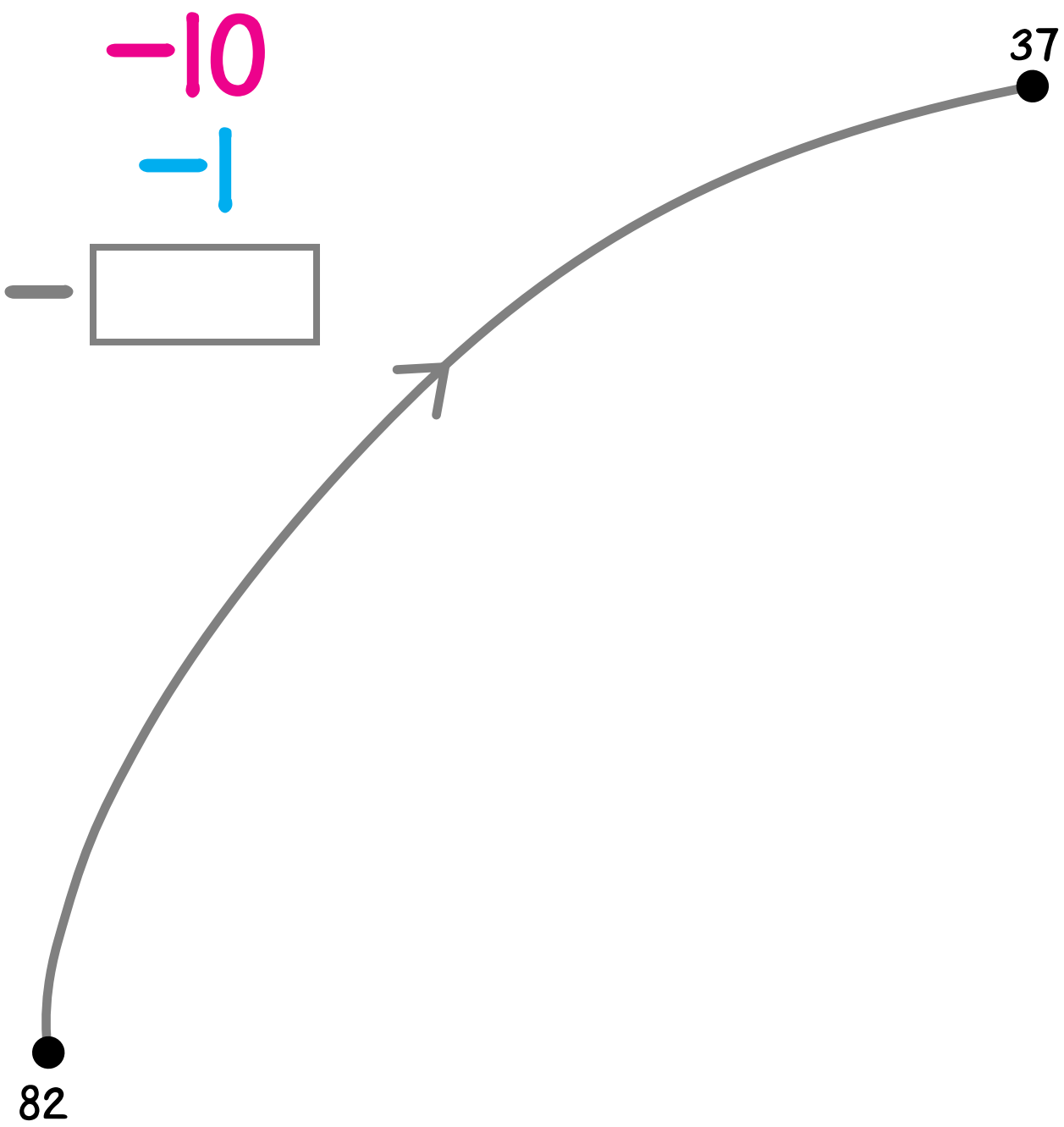
38

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.

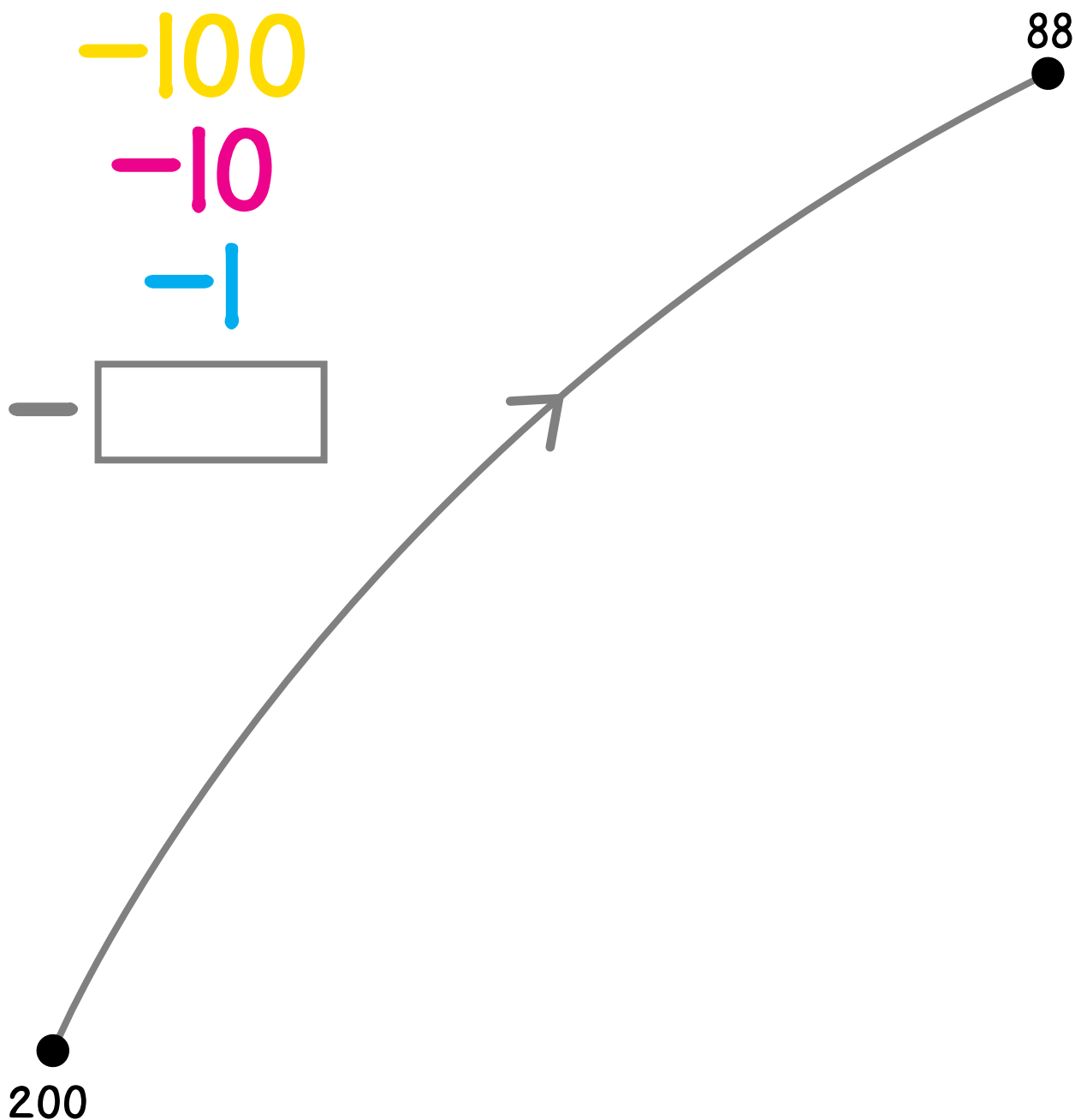


Write a calculation shown by the gray arrow.

Name _____

N36 ***

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

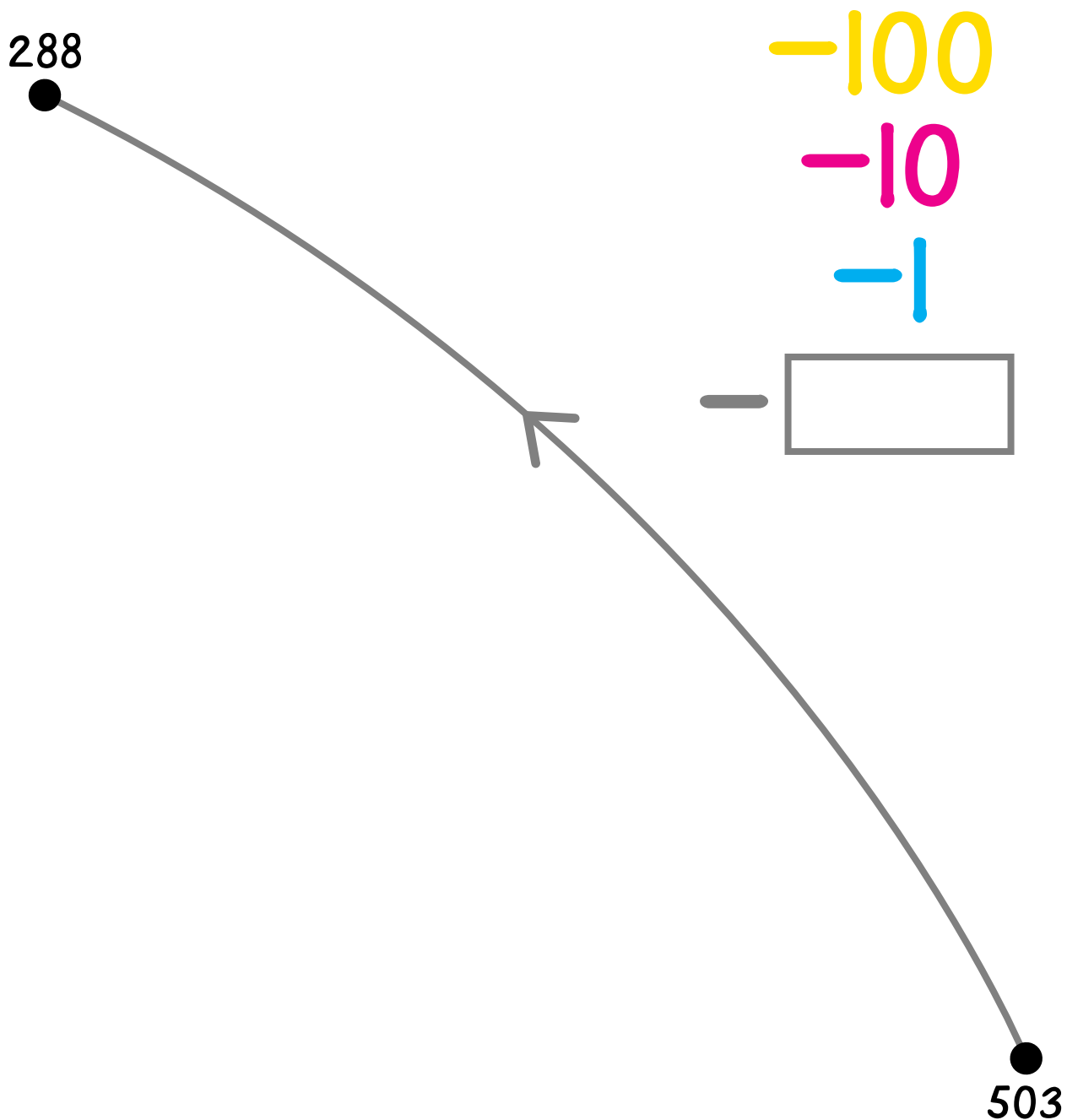


Write a calculation shown by the gray arrow.

Name _____

N36 ****

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

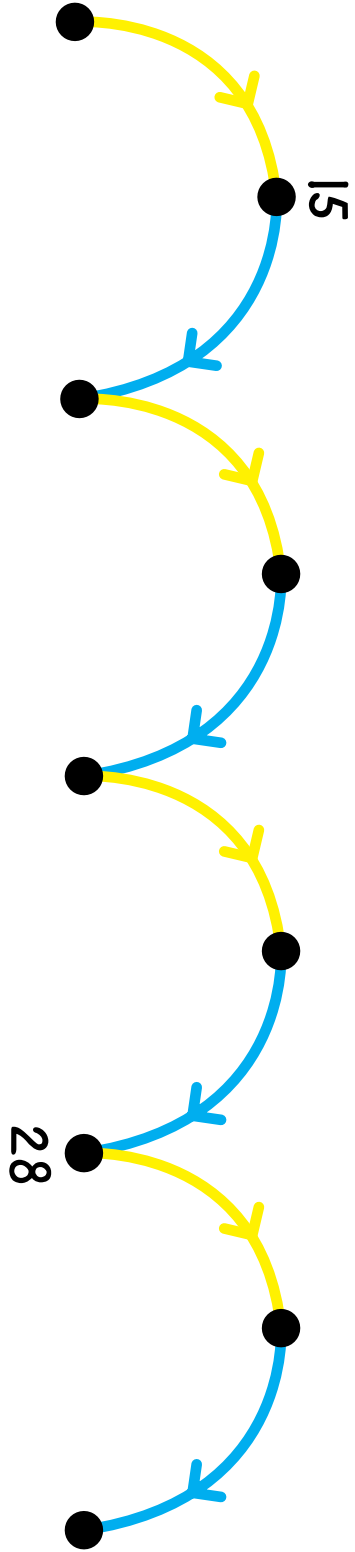
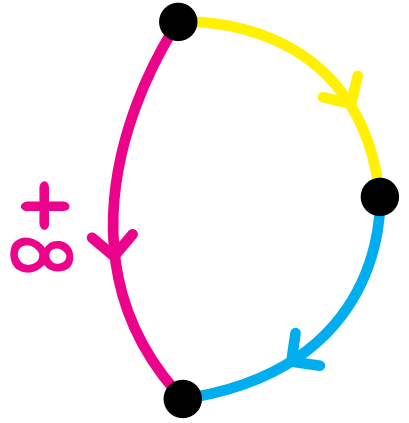


Write a calculation shown by the gray arrow.

Name _____

L2(a)

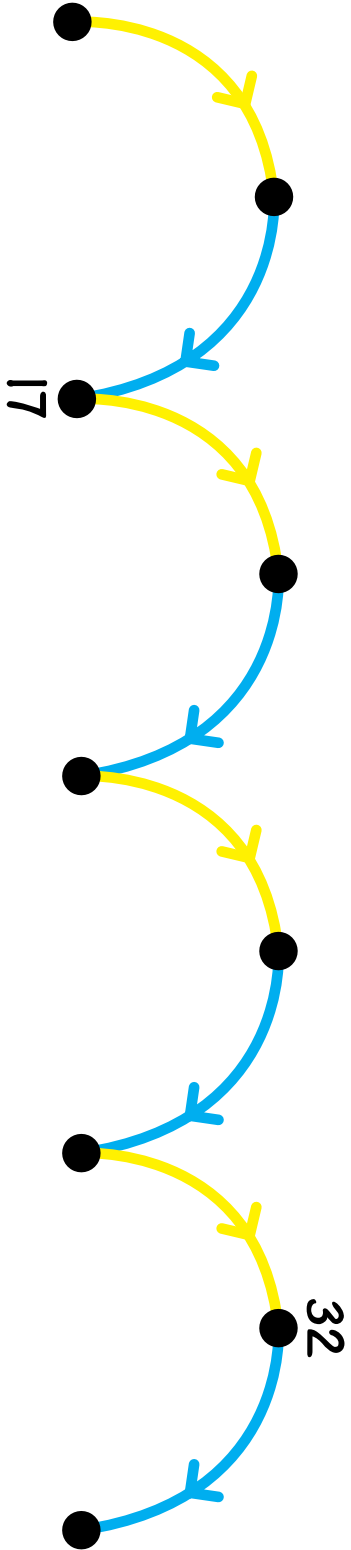
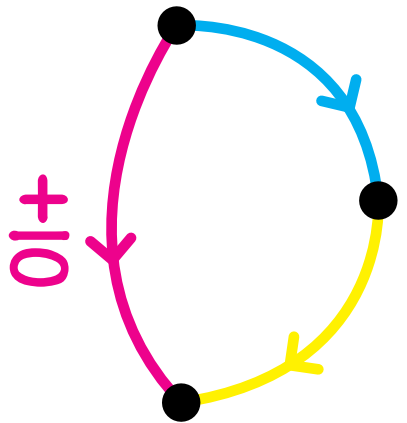
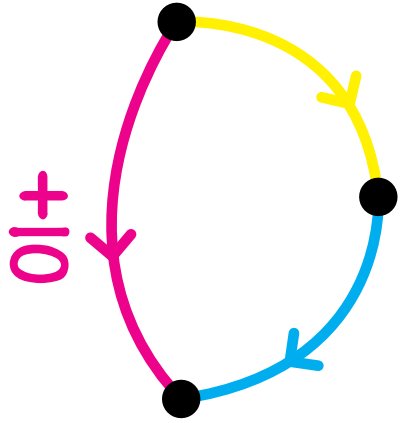
Label the dots.



Name _____

L2(b)

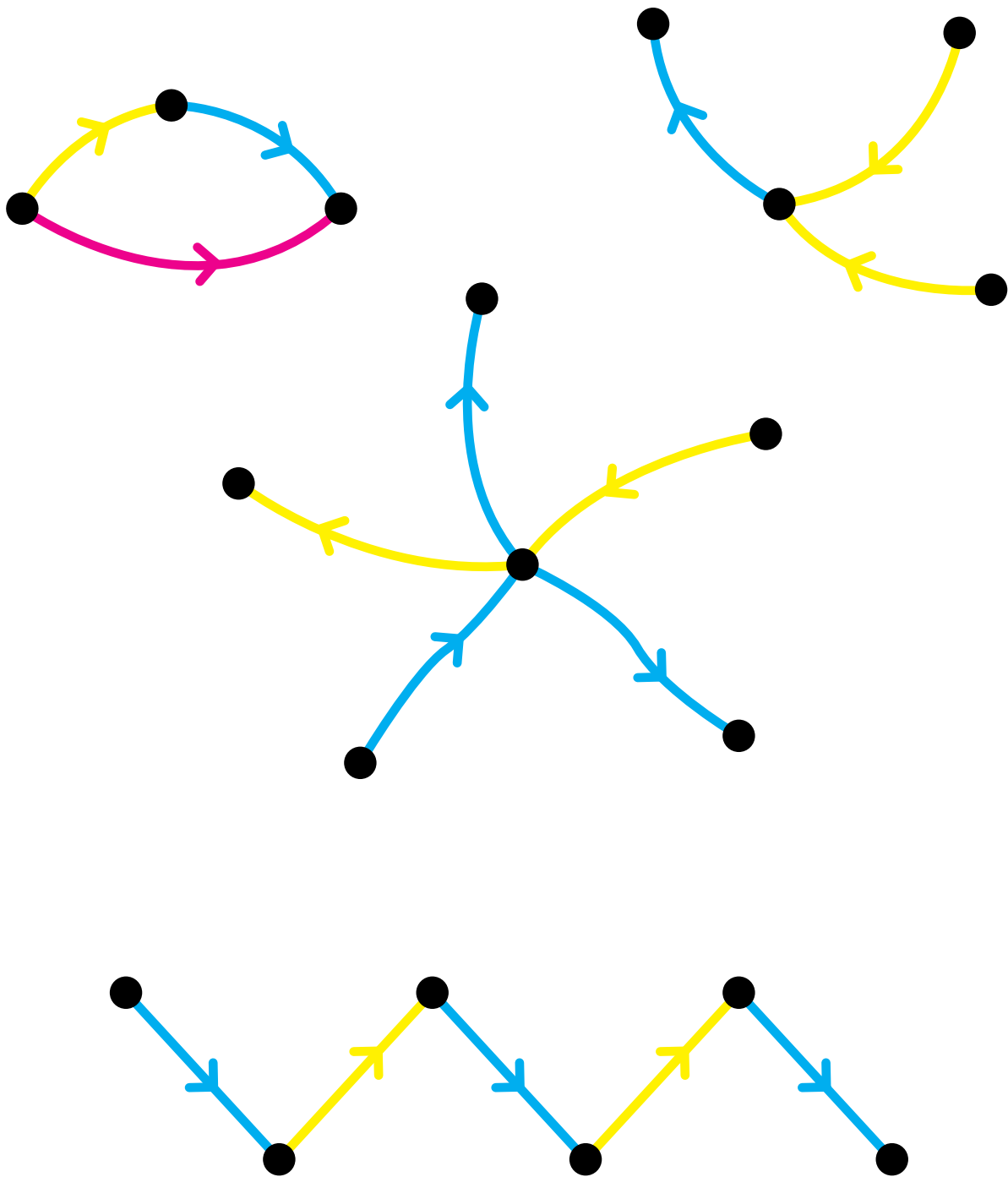
Label the dots and draw red arrows.



Name _____

L2 *

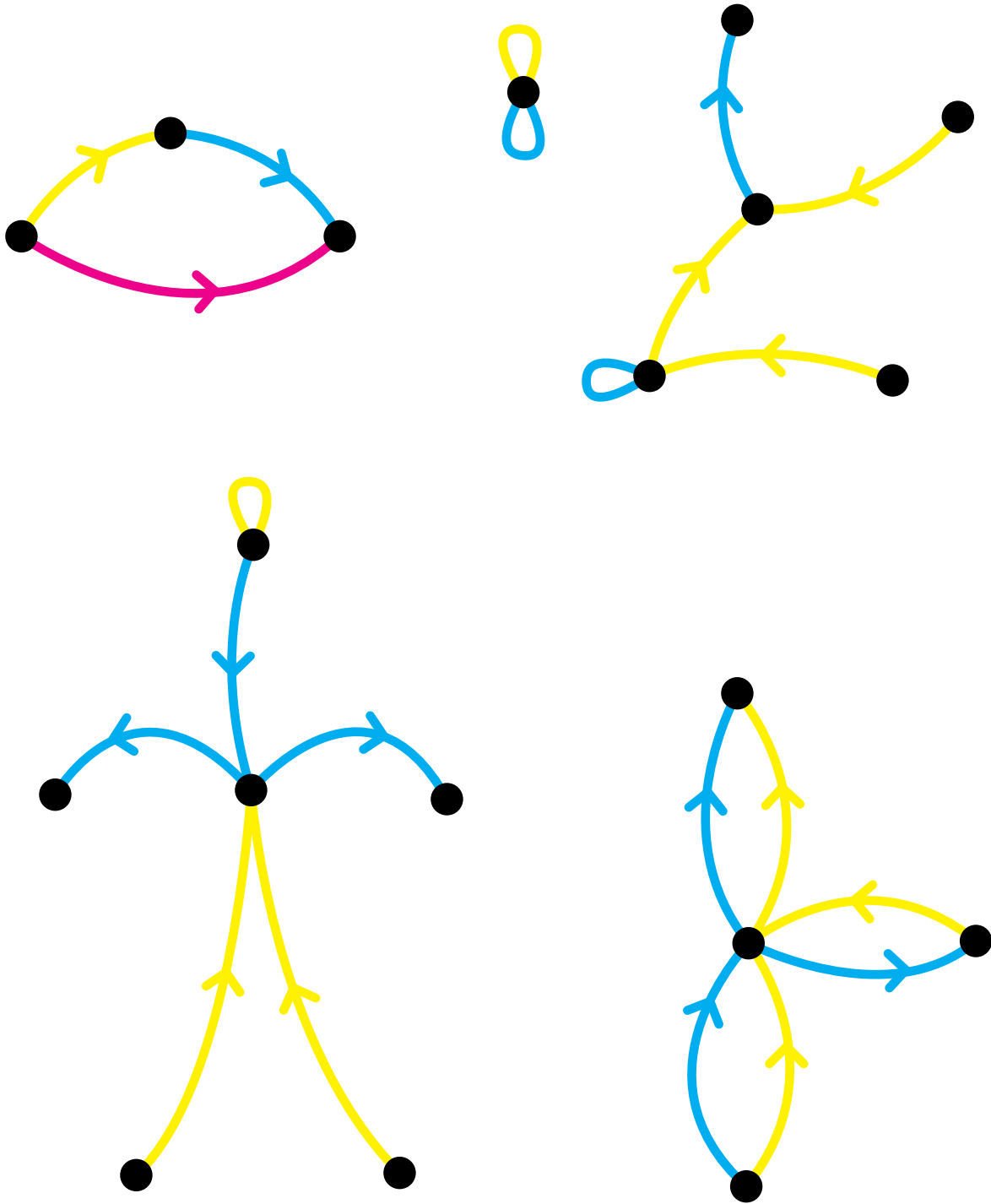
Draw the missing red arrows. You should find six red arrows.



Name _____

L2 **

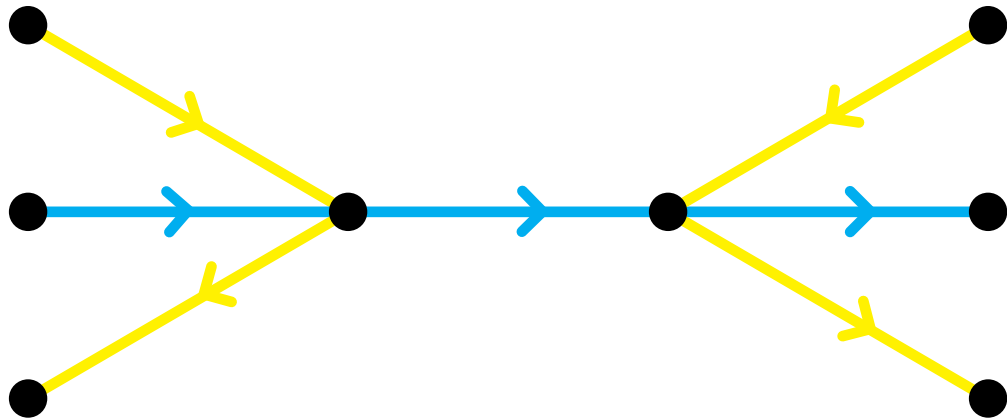
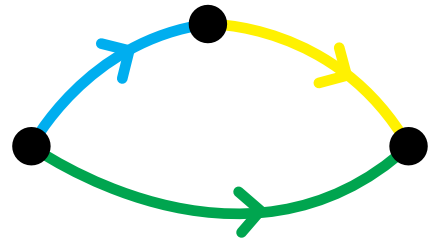
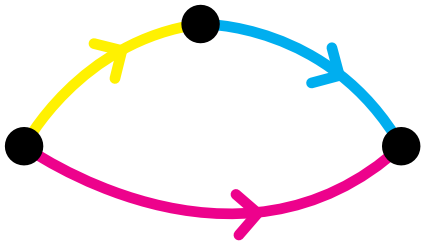
Draw the missing red arrows and loops.



Name _____

L7 * L7 *

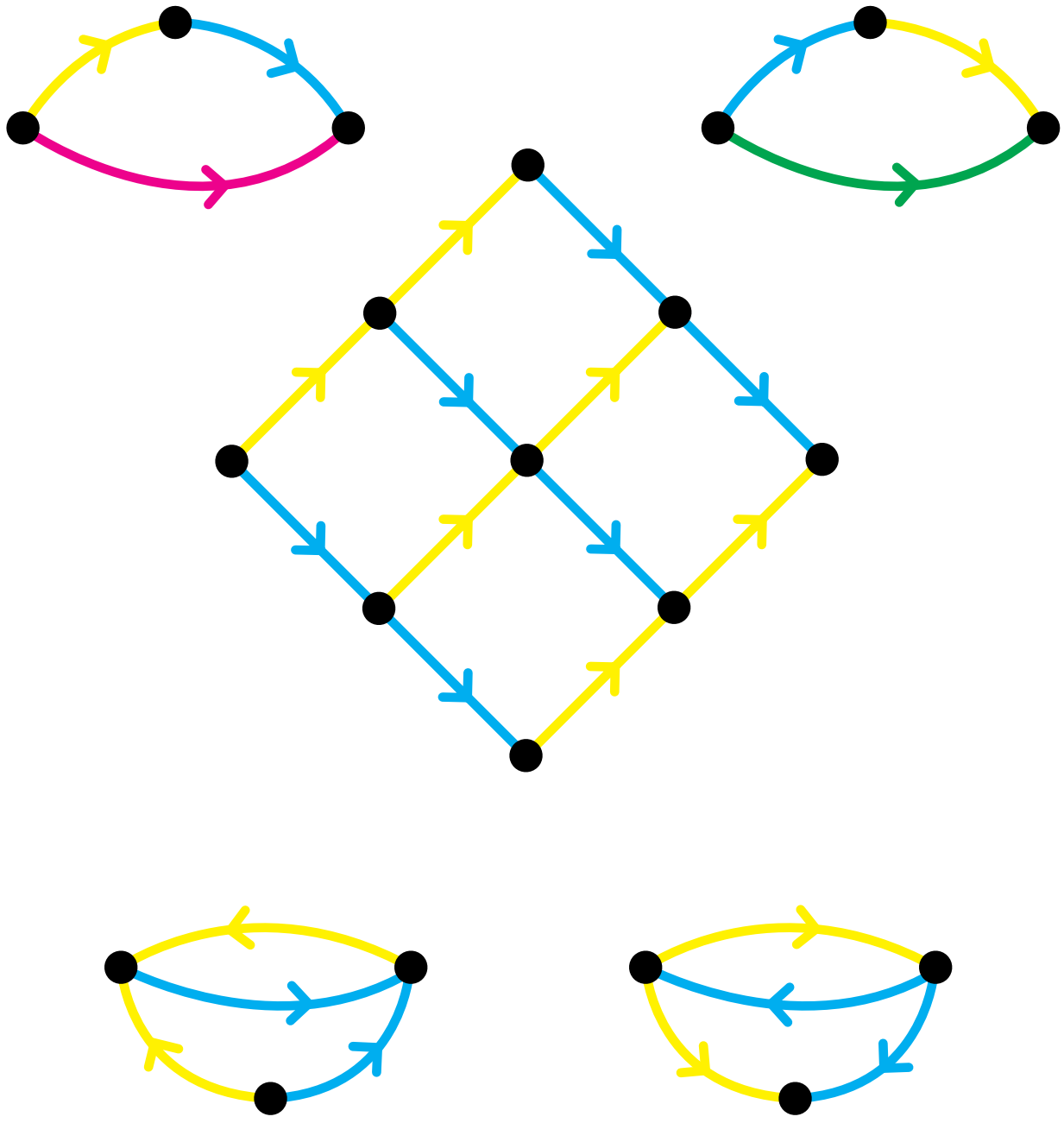
Draw the three missing red arrows and the three missing green arrows.



Name _____

L7 **

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

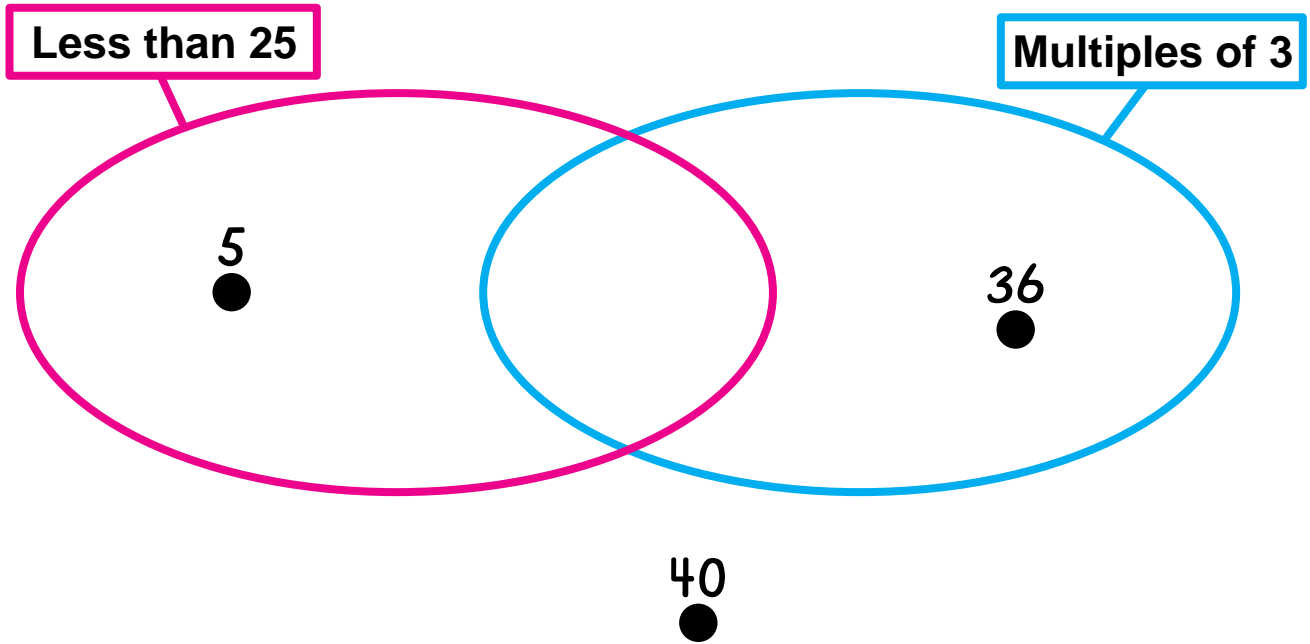


Name _____

L9 *

Put these numbers in the string picture.

3 8 12 15 24 25 30 35

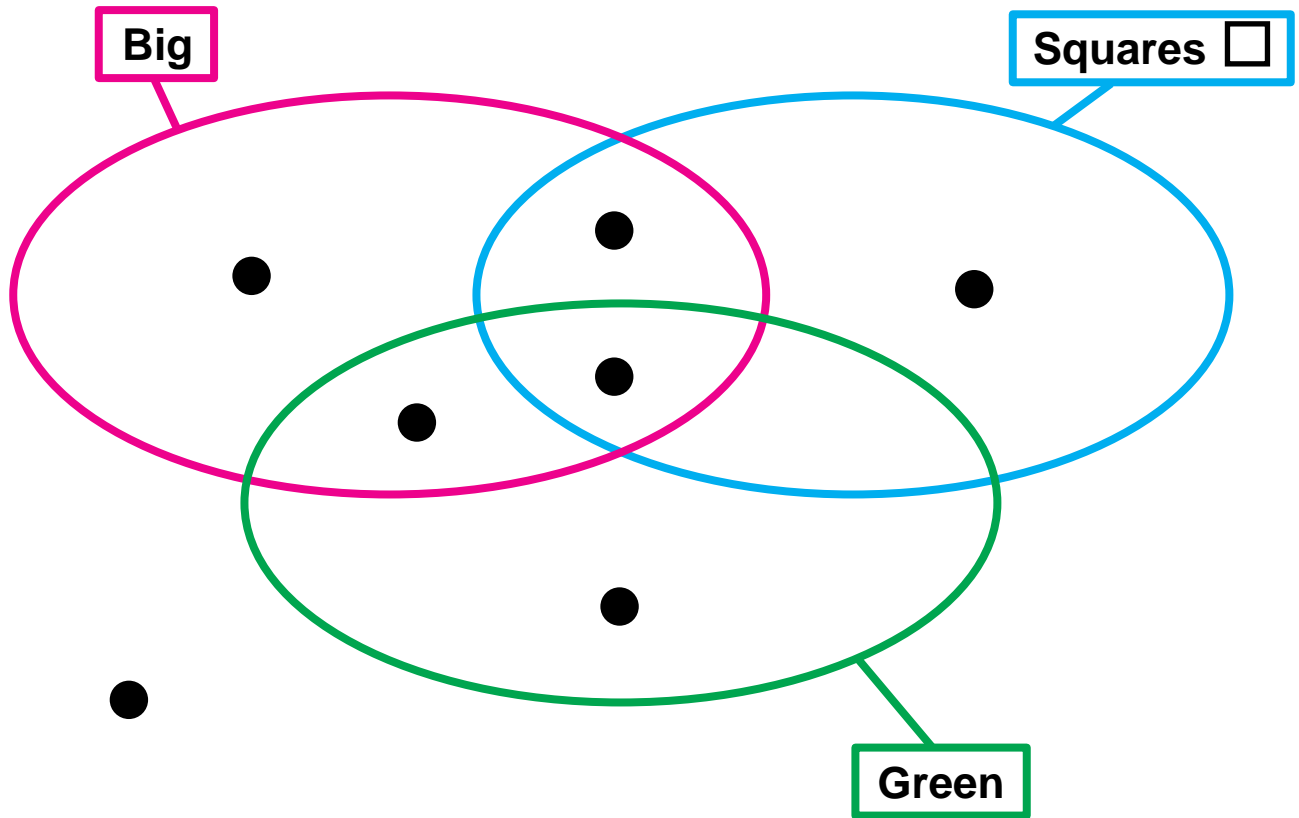


Name _____

L9

**

Match the A-blocks with dots in the strings.



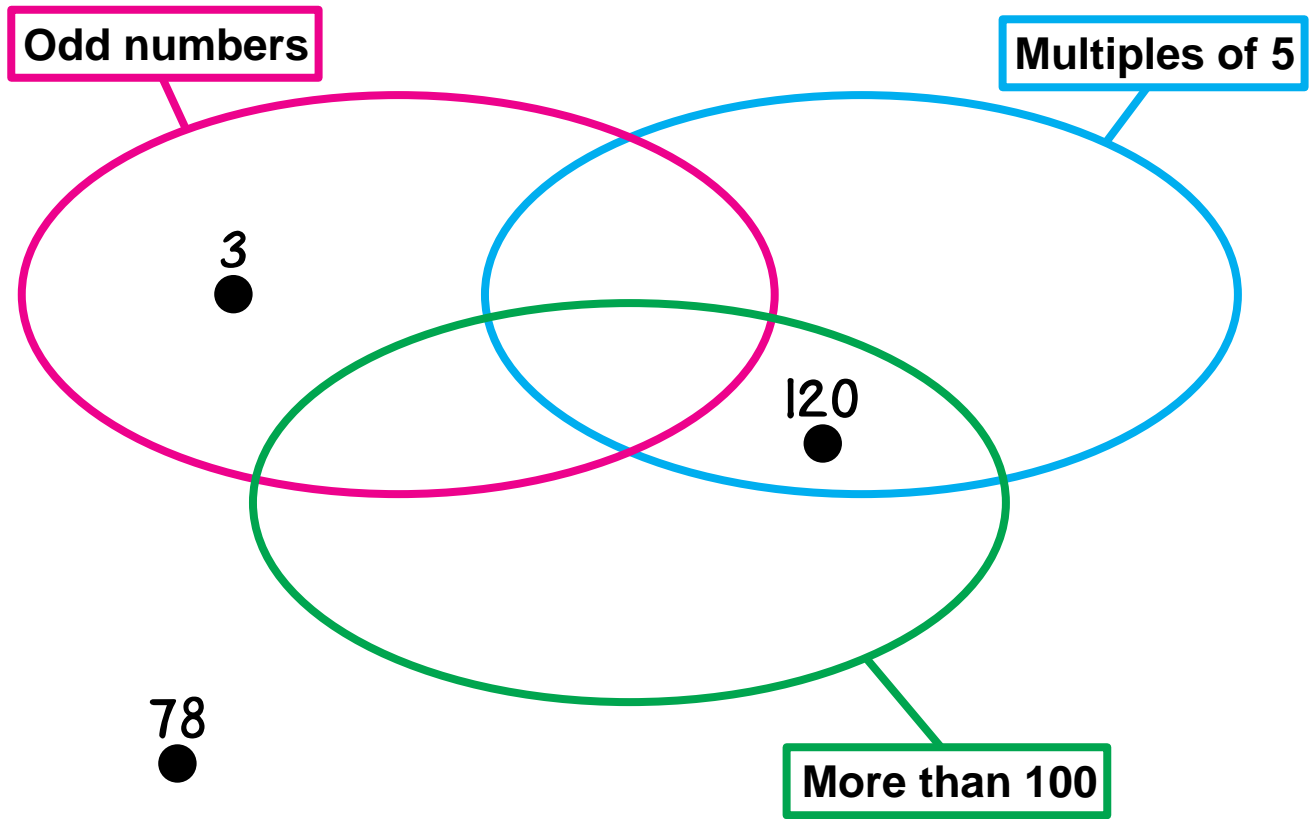
Describe a piece to put in the place with no dot. _____

Name _____

L9 ***

Put these numbers in the string picture.

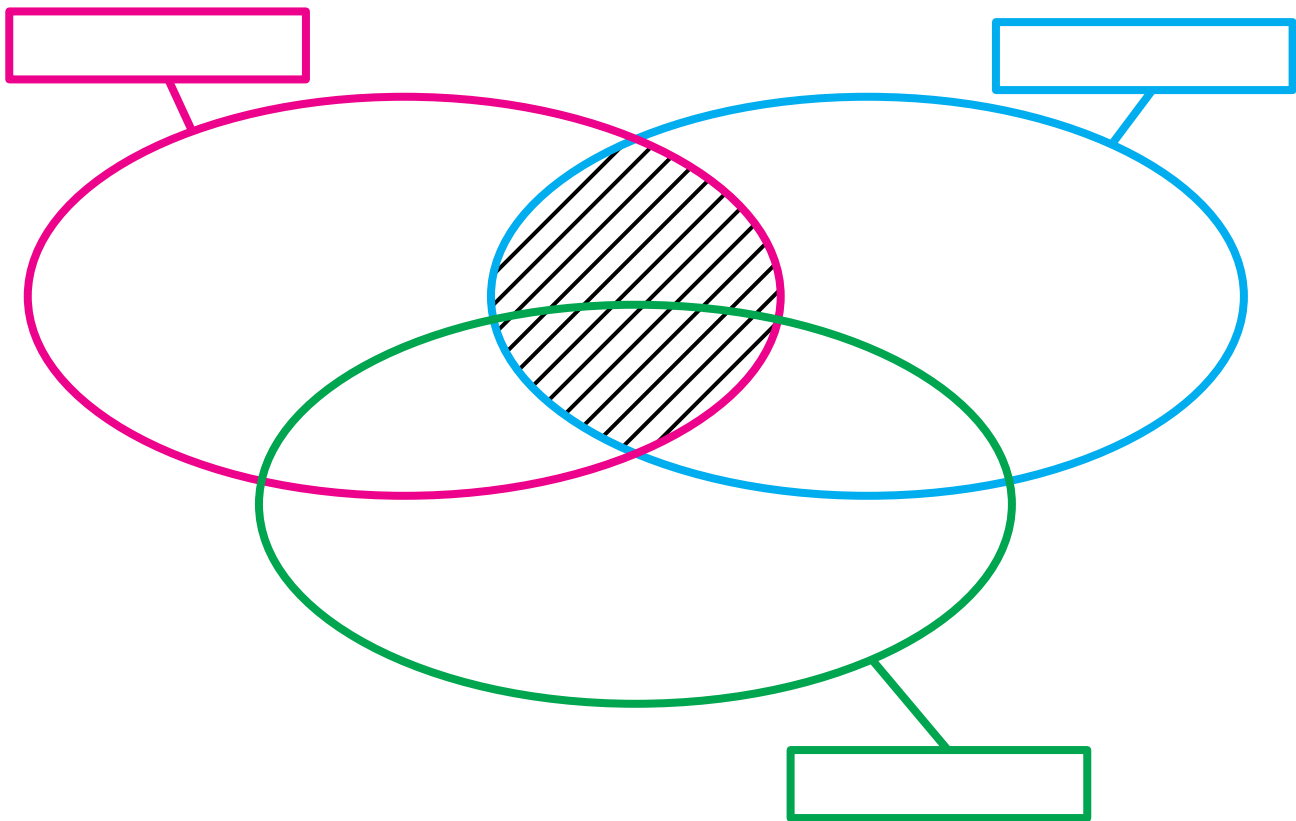
15 125 128 7 20 100 77 777



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 _____

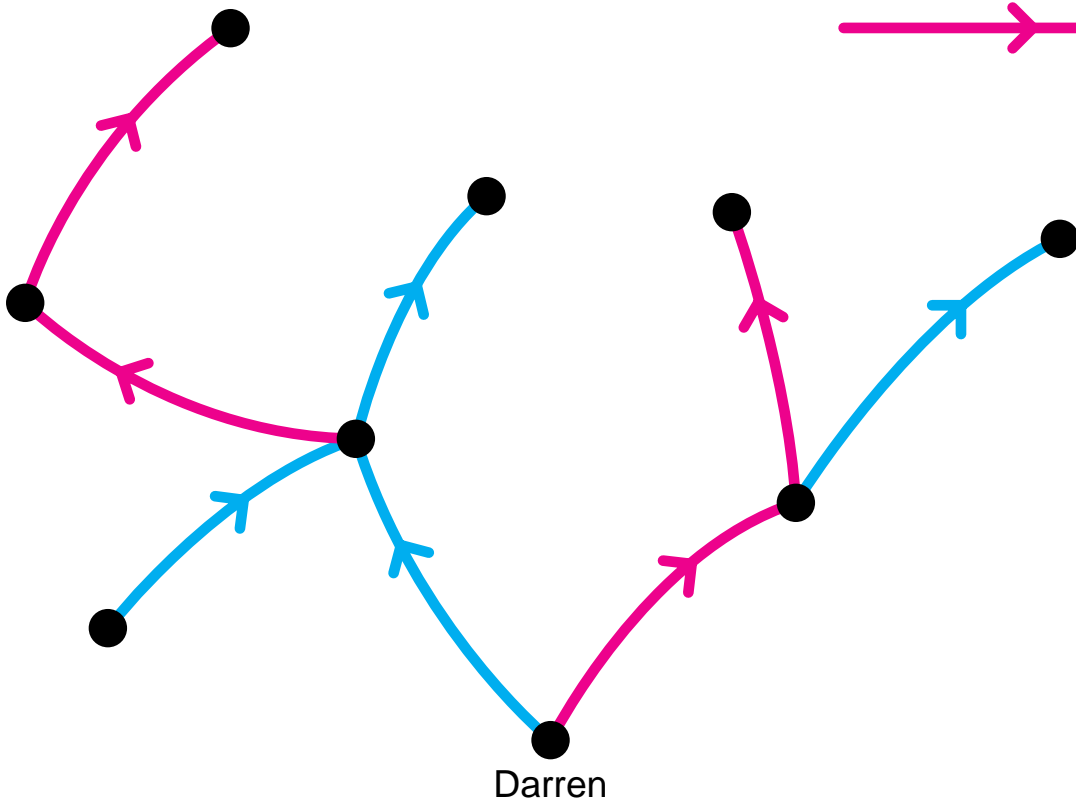
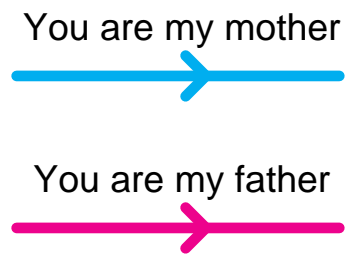
The dots in this arrow picture are for some of Darren's relatives.

his mother
his father
his sister

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

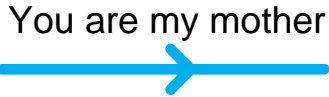
Can you label the dots?

Find and draw a missing red arrow.



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

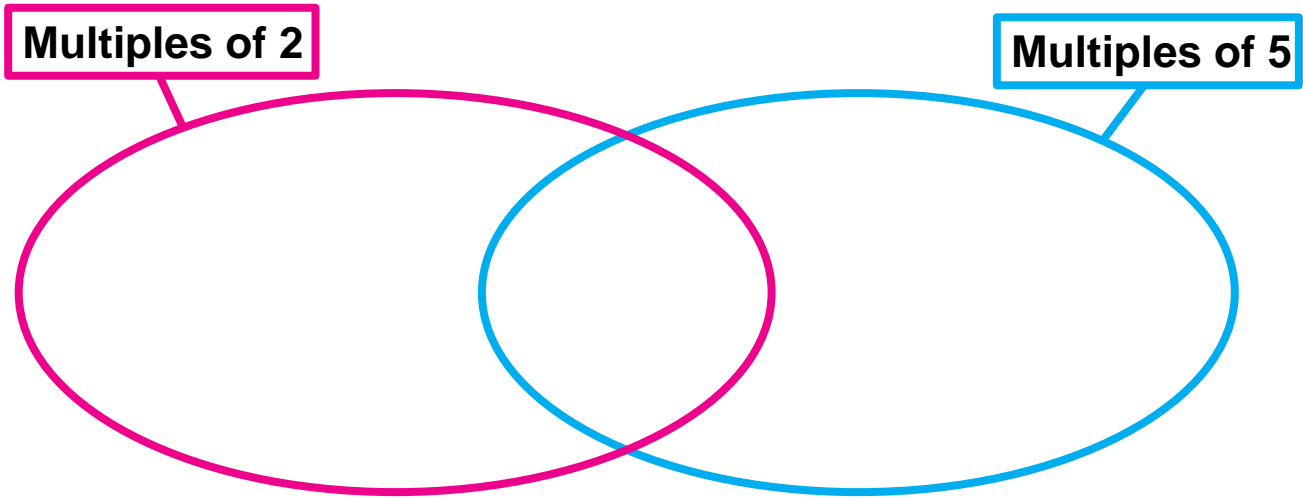
●
John

Name _____

L13 *

Put these numbers in the string picture.

10 25 12 0 13 55 17 32

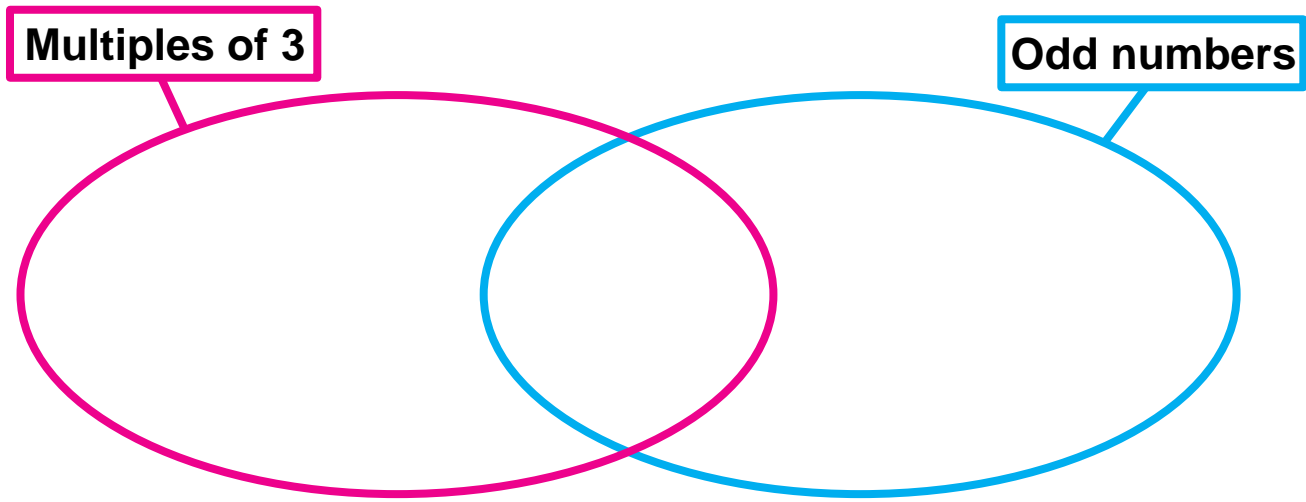


Name _____

L13 **

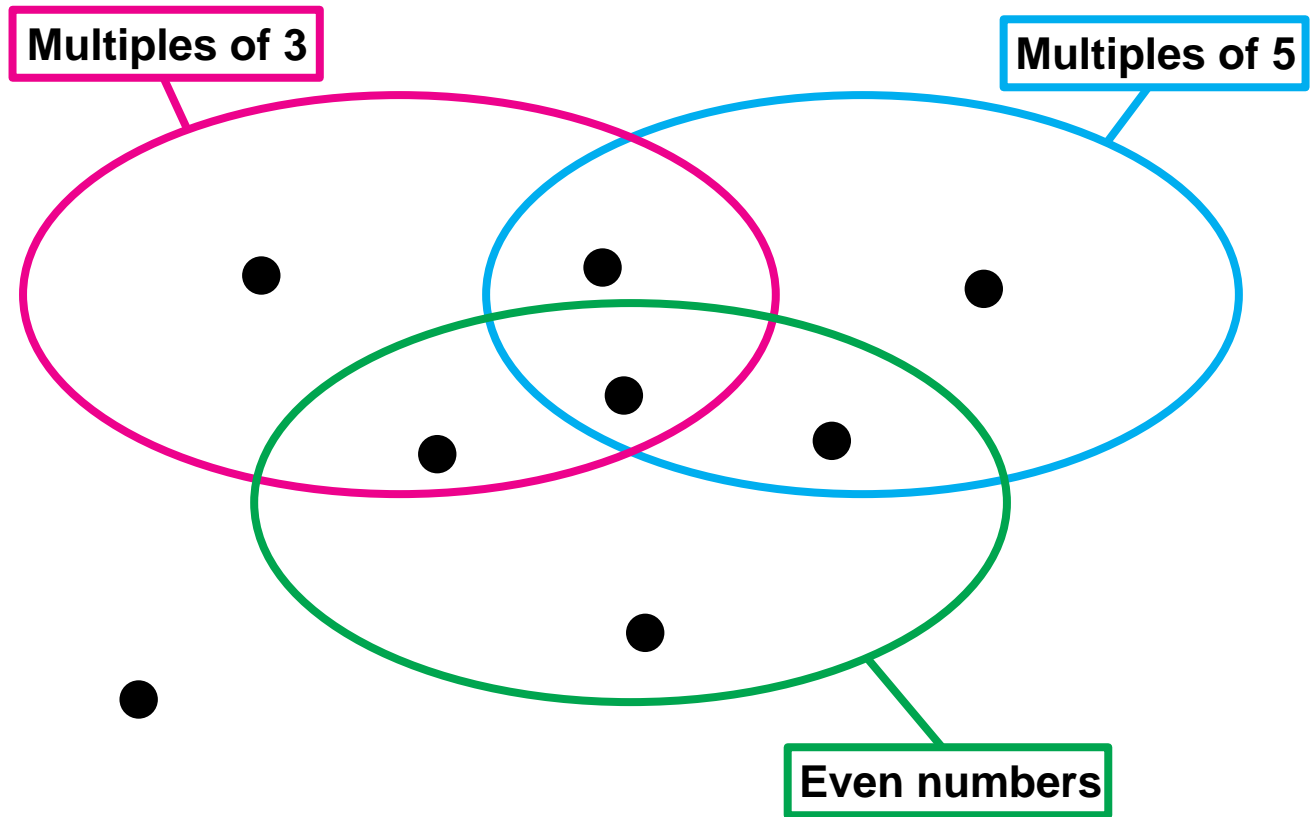
Put these numbers in the string picture.

8 15 1 30 100 6 99 37



Name _____

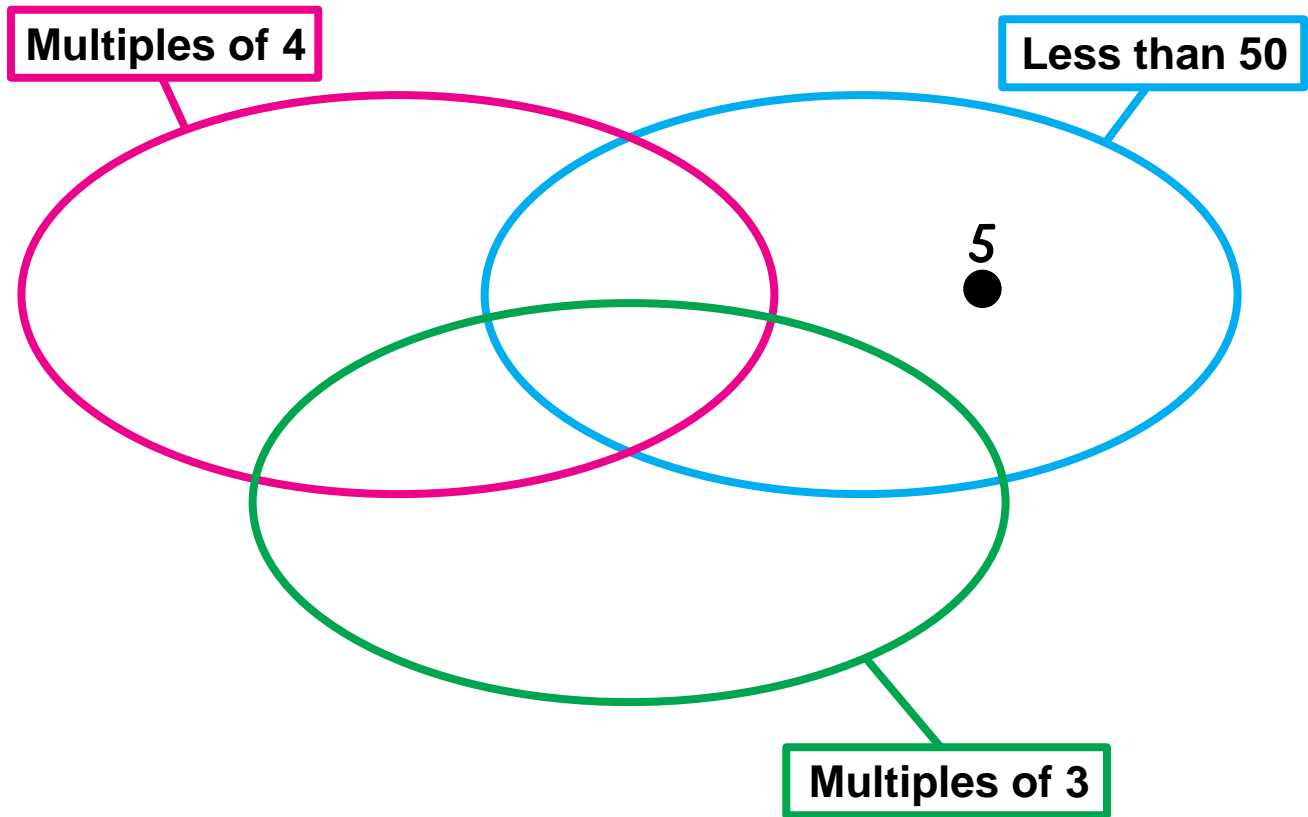
Label the dots with numbers of your choice.



Name _____

Put these numbers in the string picture.

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

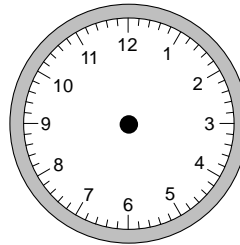


Name _____

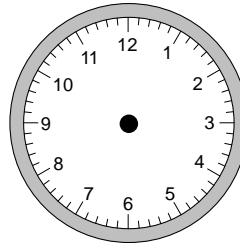
L14(a)

Cartoon

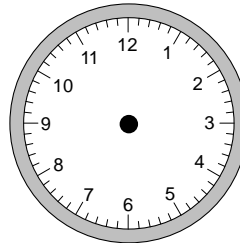
Time



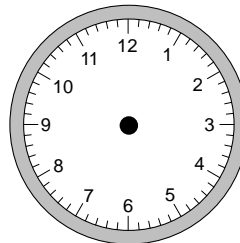
□



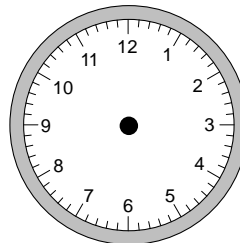
□



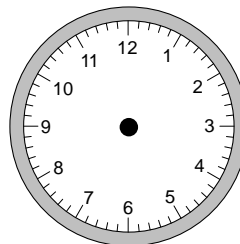
□



□



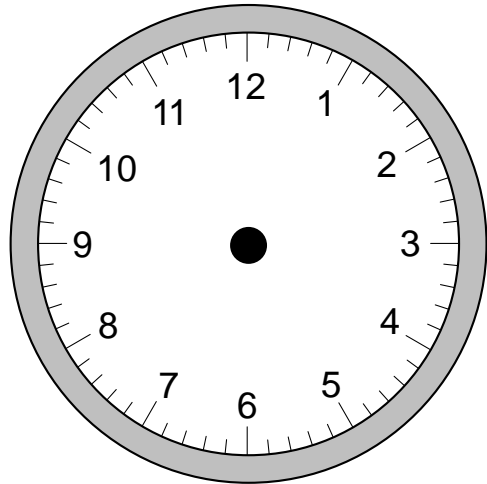
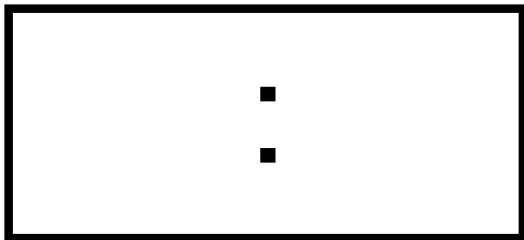
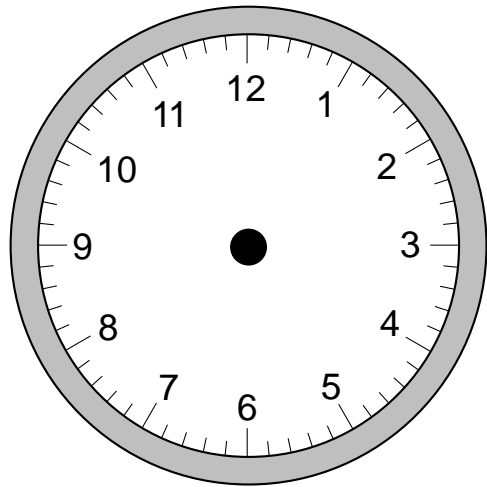
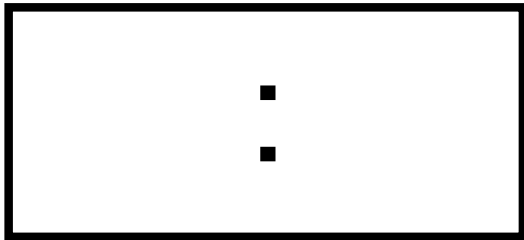
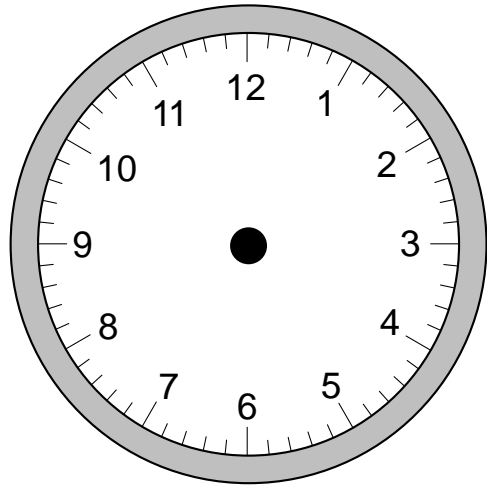
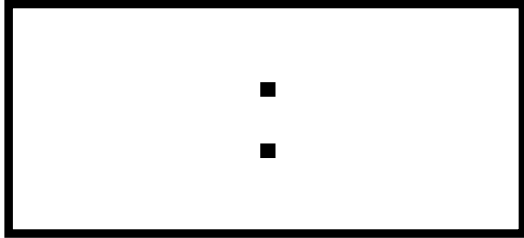
□



□

Name _____

L14(b)

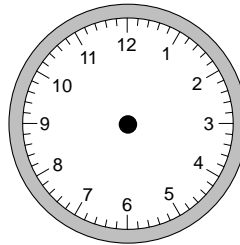


Name _____

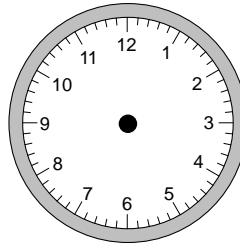
L14(c)

Activity

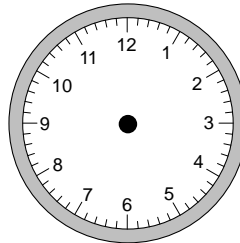
Time



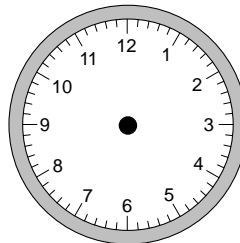
□
□



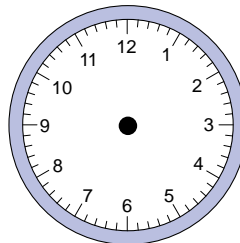
□
□



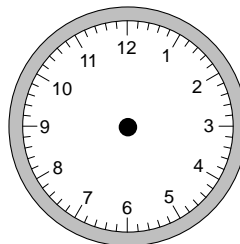
□
□



□
□



□
□



□
□

Name _____

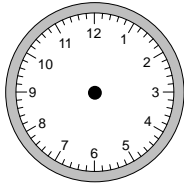
L14(d)

Time Your Daily Activities

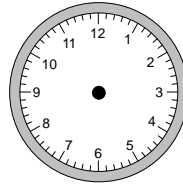
1. How long does it take me to brush my teeth?

Estimate _____ (hours/minutes)

Starting Time



Ending Time

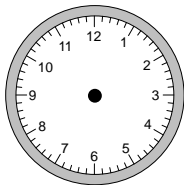


It took me _____.

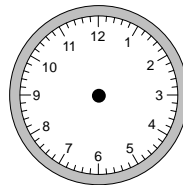
2. How long does it take me to eat breakfast?

Estimate _____ (hours/minutes)

Starting Time



Ending Time

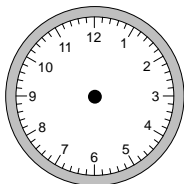


It took me _____.

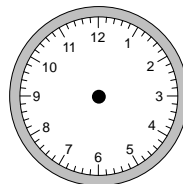
3. How long does it take me to _____? (choose an activity)

Estimate _____ (hours/minutes)

Starting Time



Ending Time



It took me _____.

Name _____

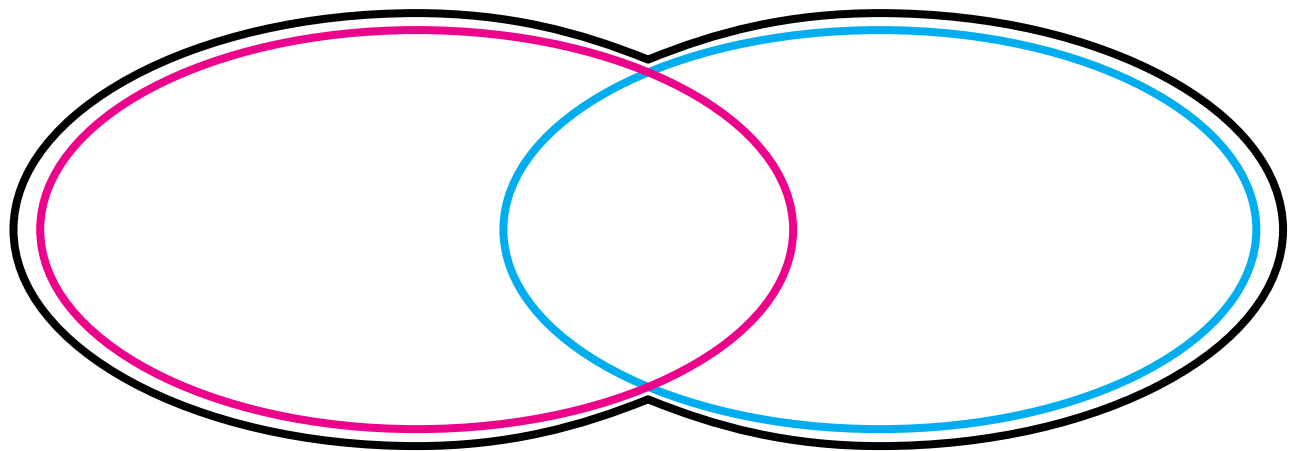
L16 *

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



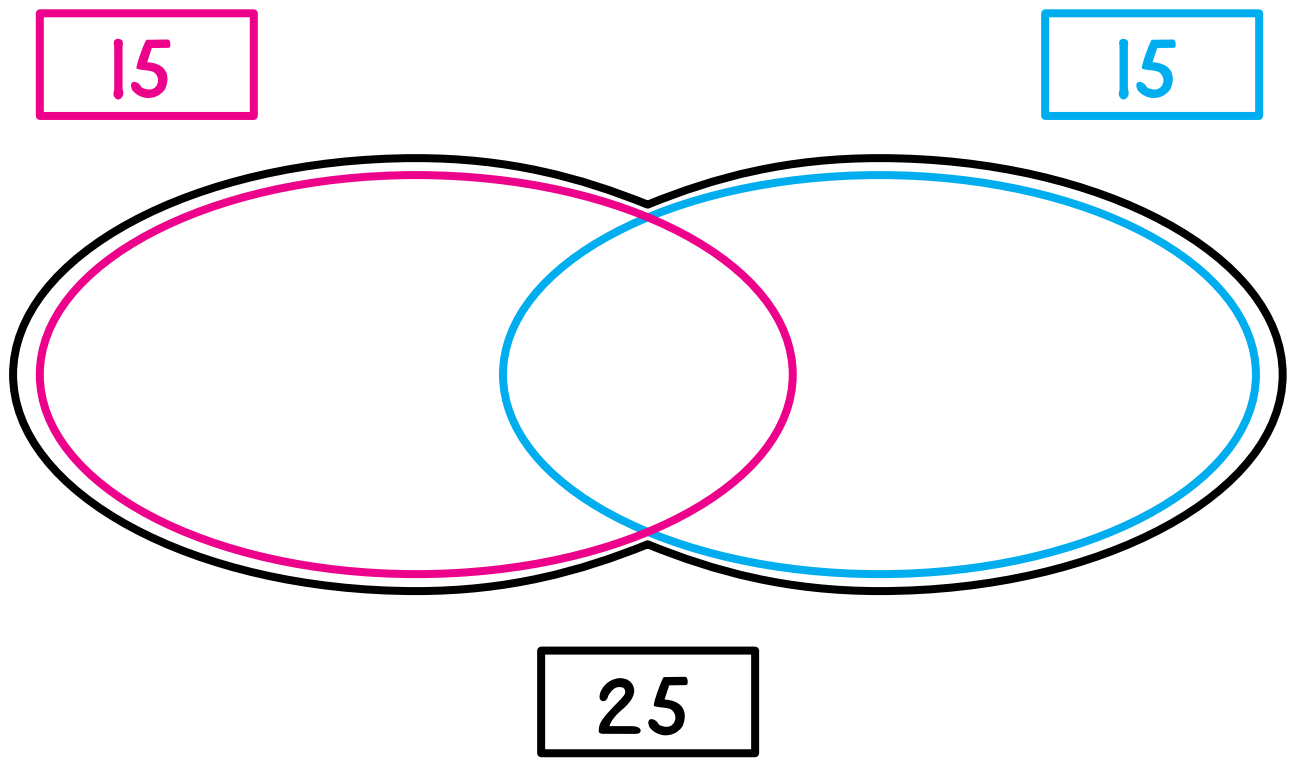
10

Name _____

L16 **

Draw dots in this string picture so that there are:

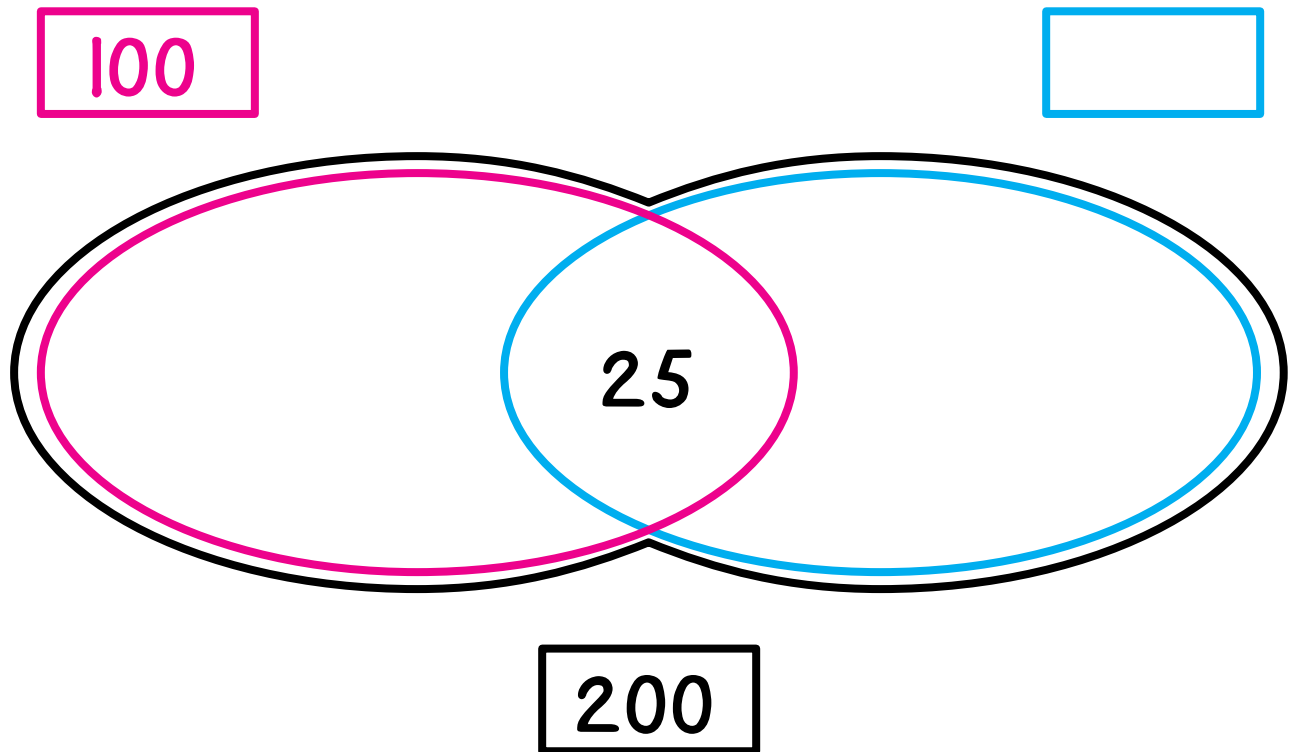
- 15 dots in the red string;
- 15 dots in the blue string;
- 25 dots altogether in the two strings.



Name _____

L16 ***

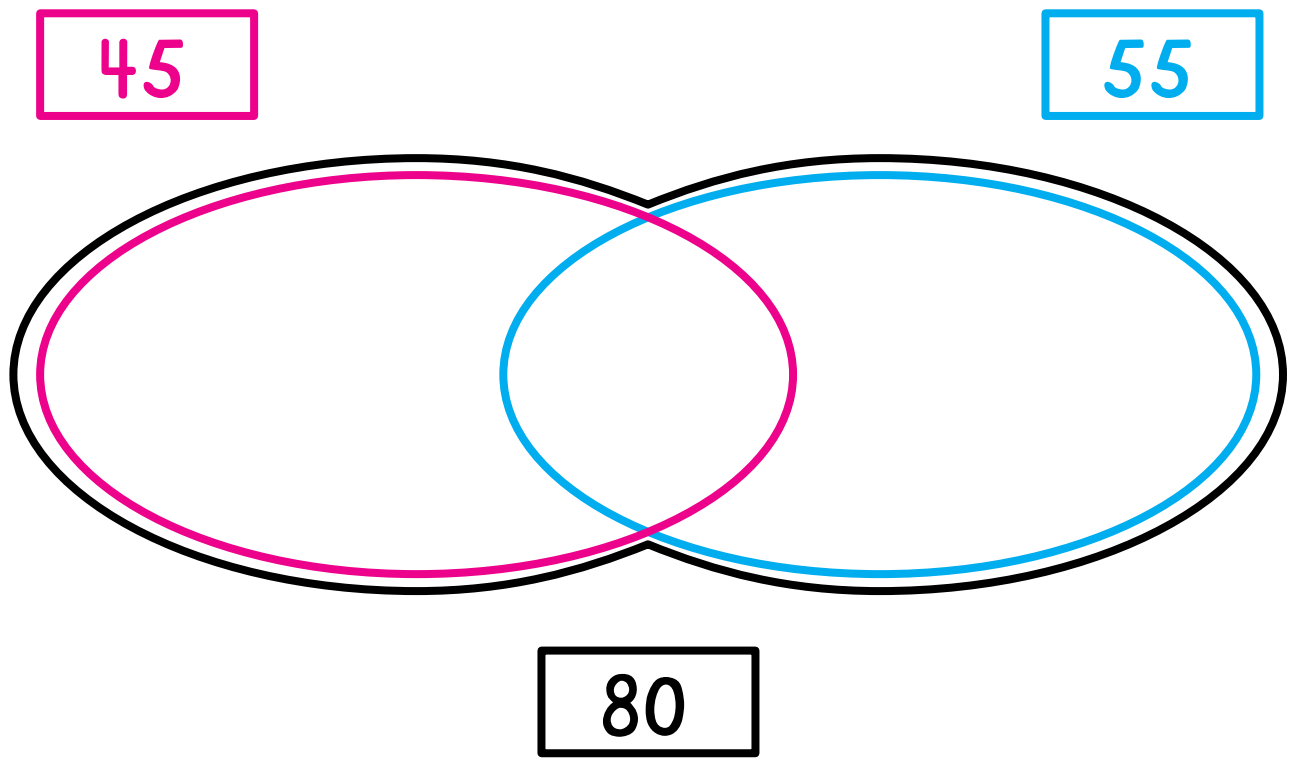
Label the parts of the picture to show how many dots are in each part. Fill in the blue box to show how many dots are in the blue string.



Name _____

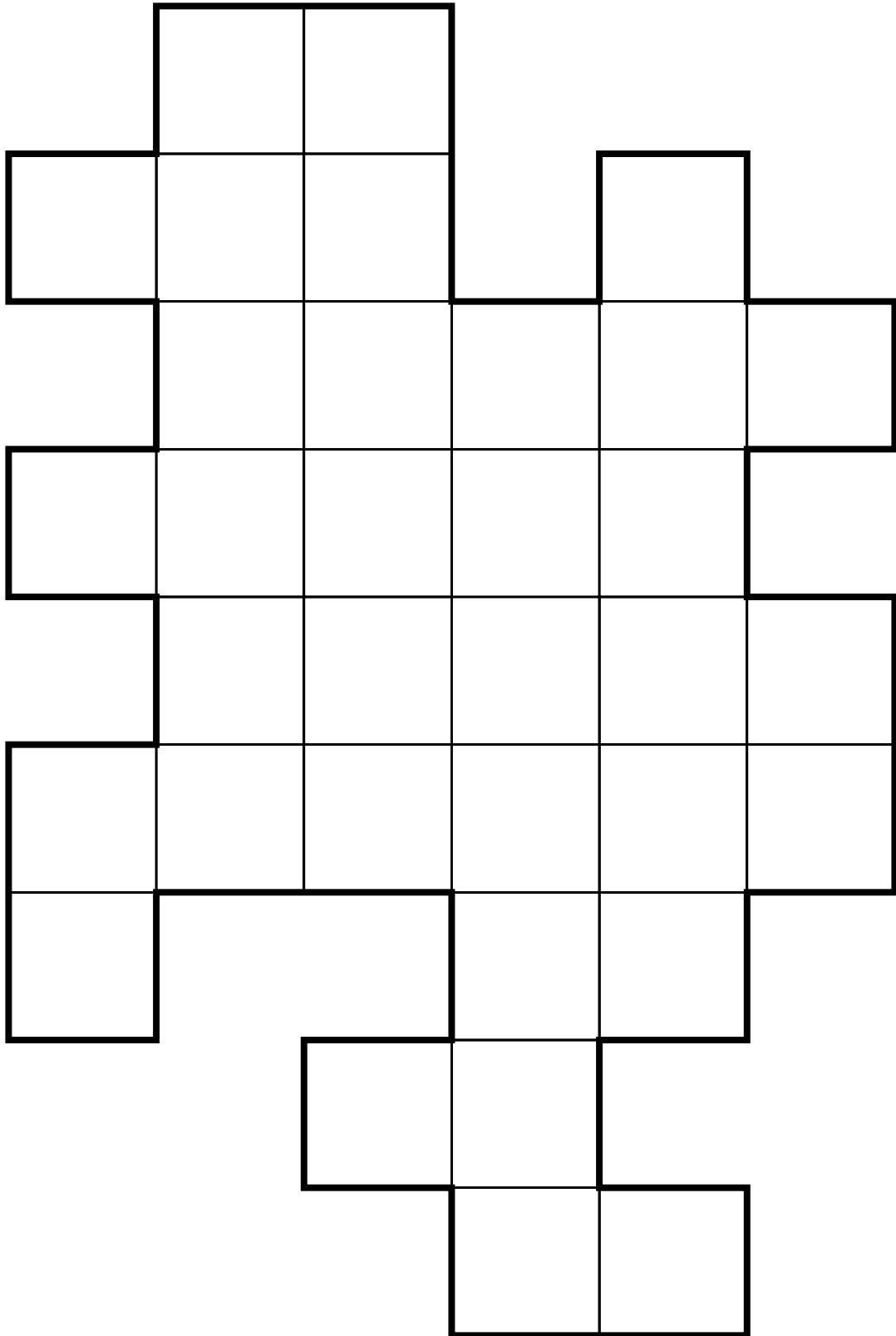
L16 ****

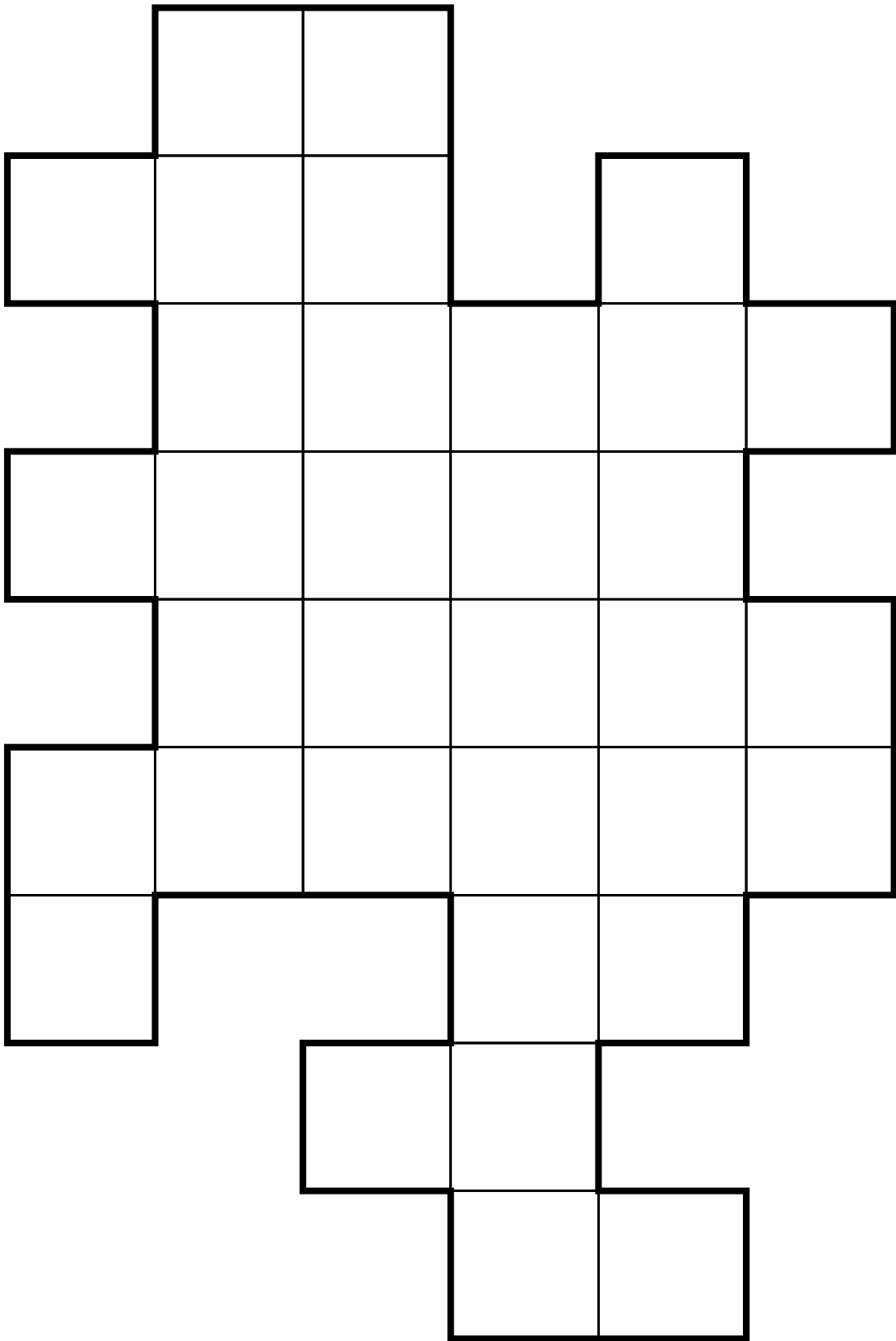
Label the parts of this picture to show how many dots are in each part.



Name _____

G1(a)

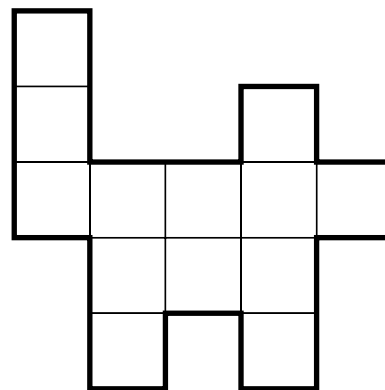
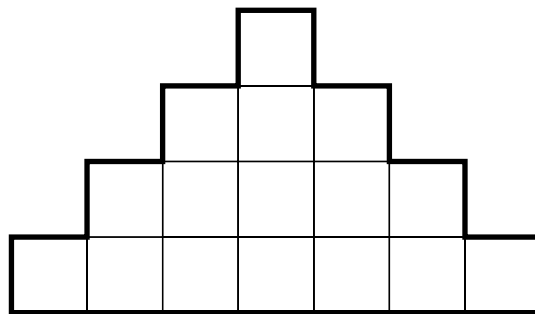
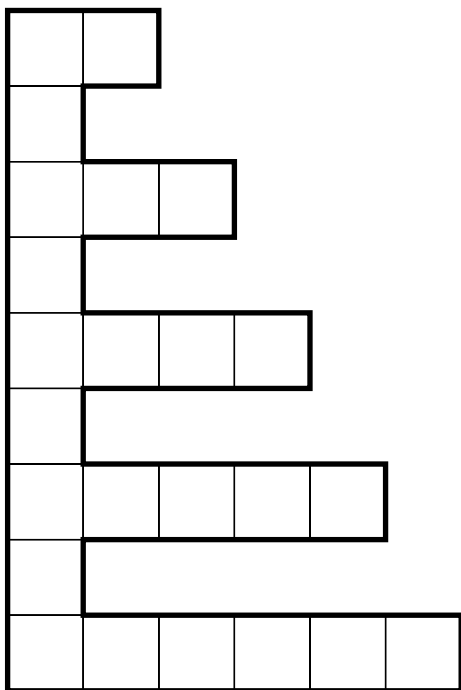
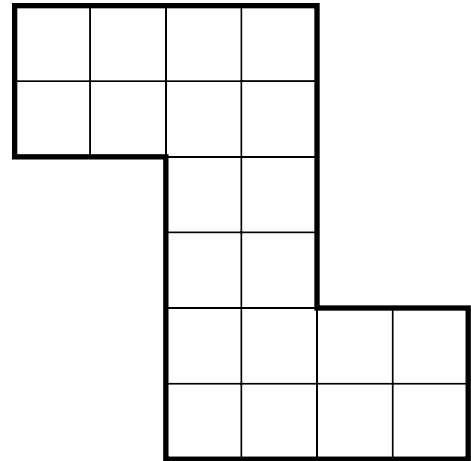
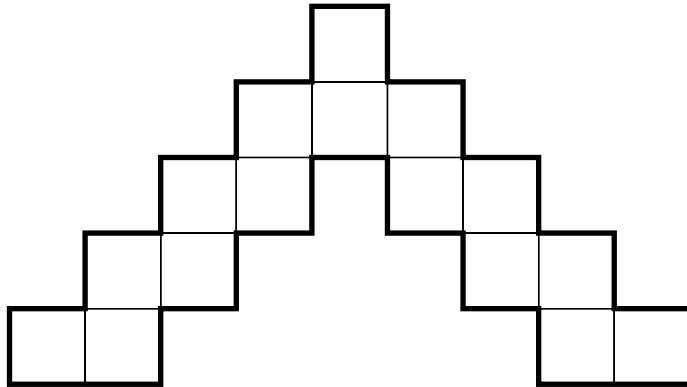




Name _____

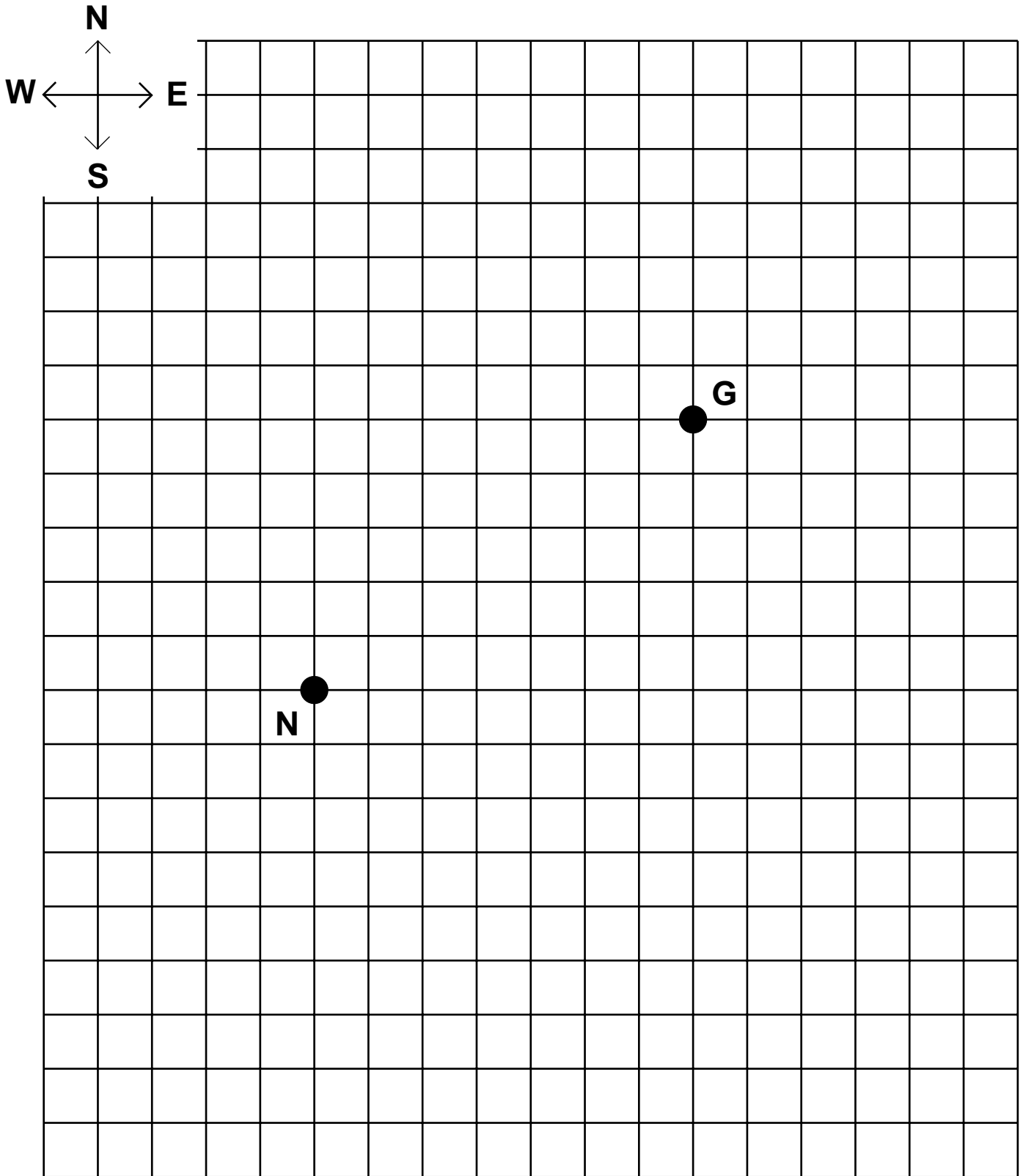
G1(b)

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



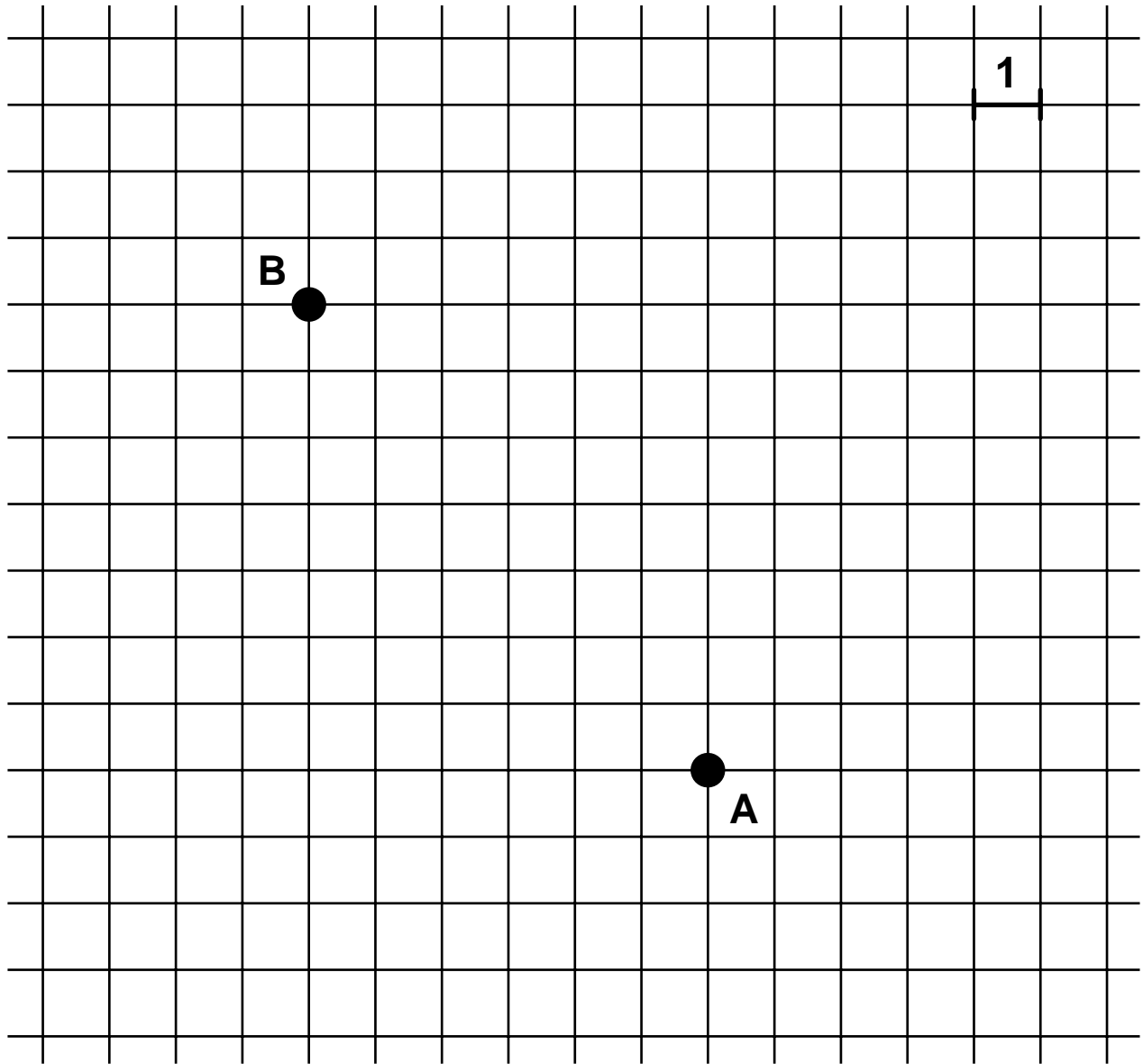
Name _____

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 _____

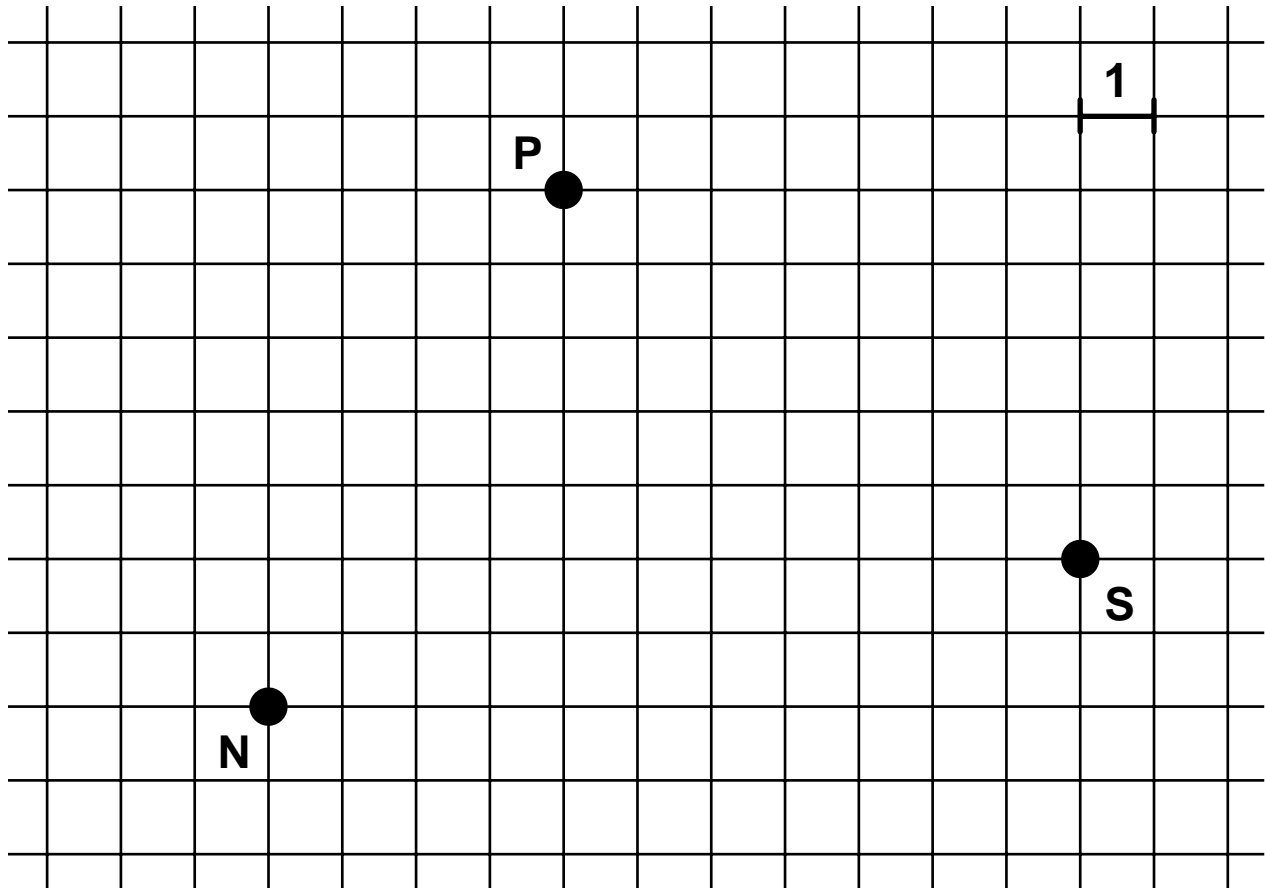
G2

**

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.

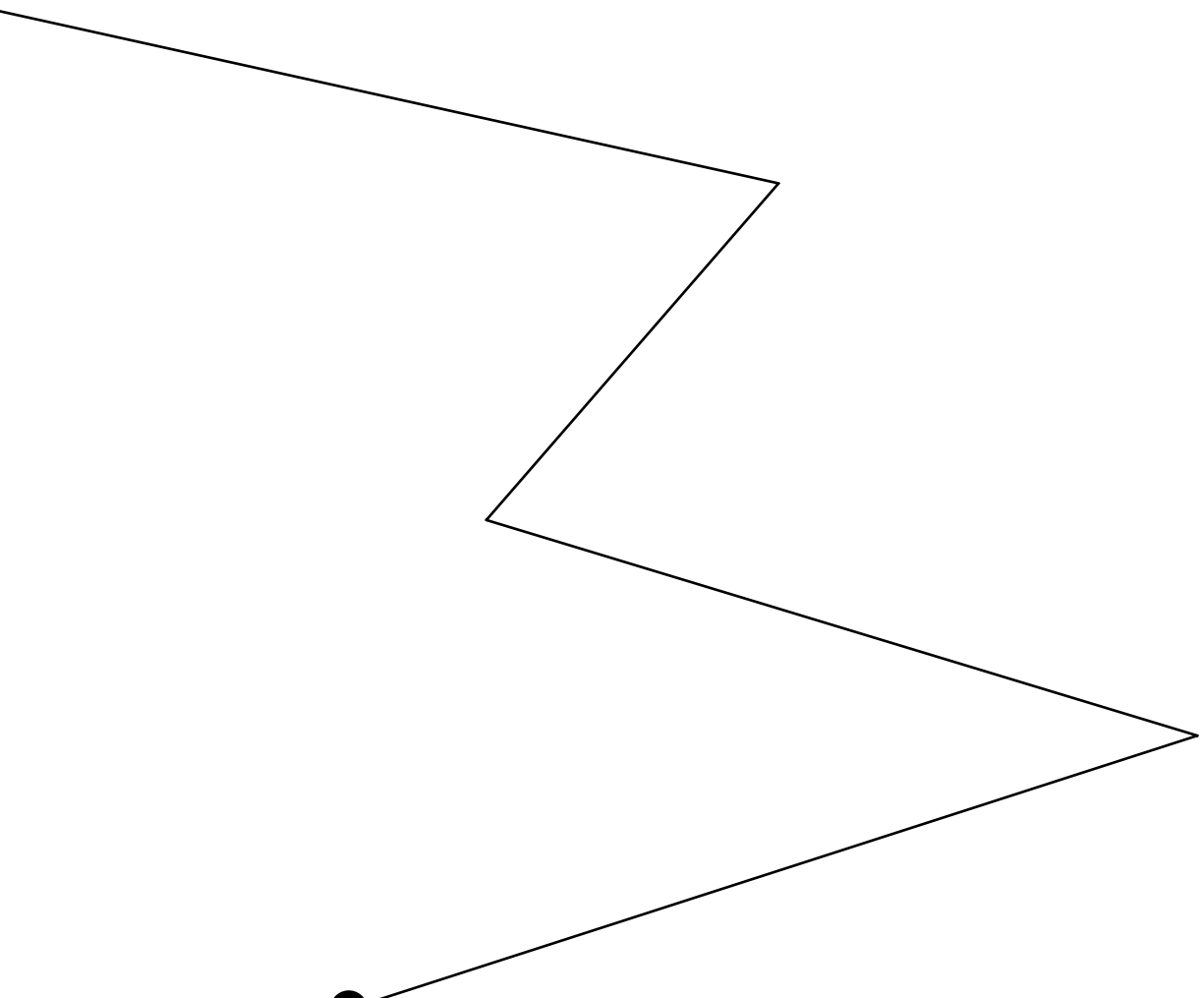
The taxi-distance from S to N is _____ blocks.

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



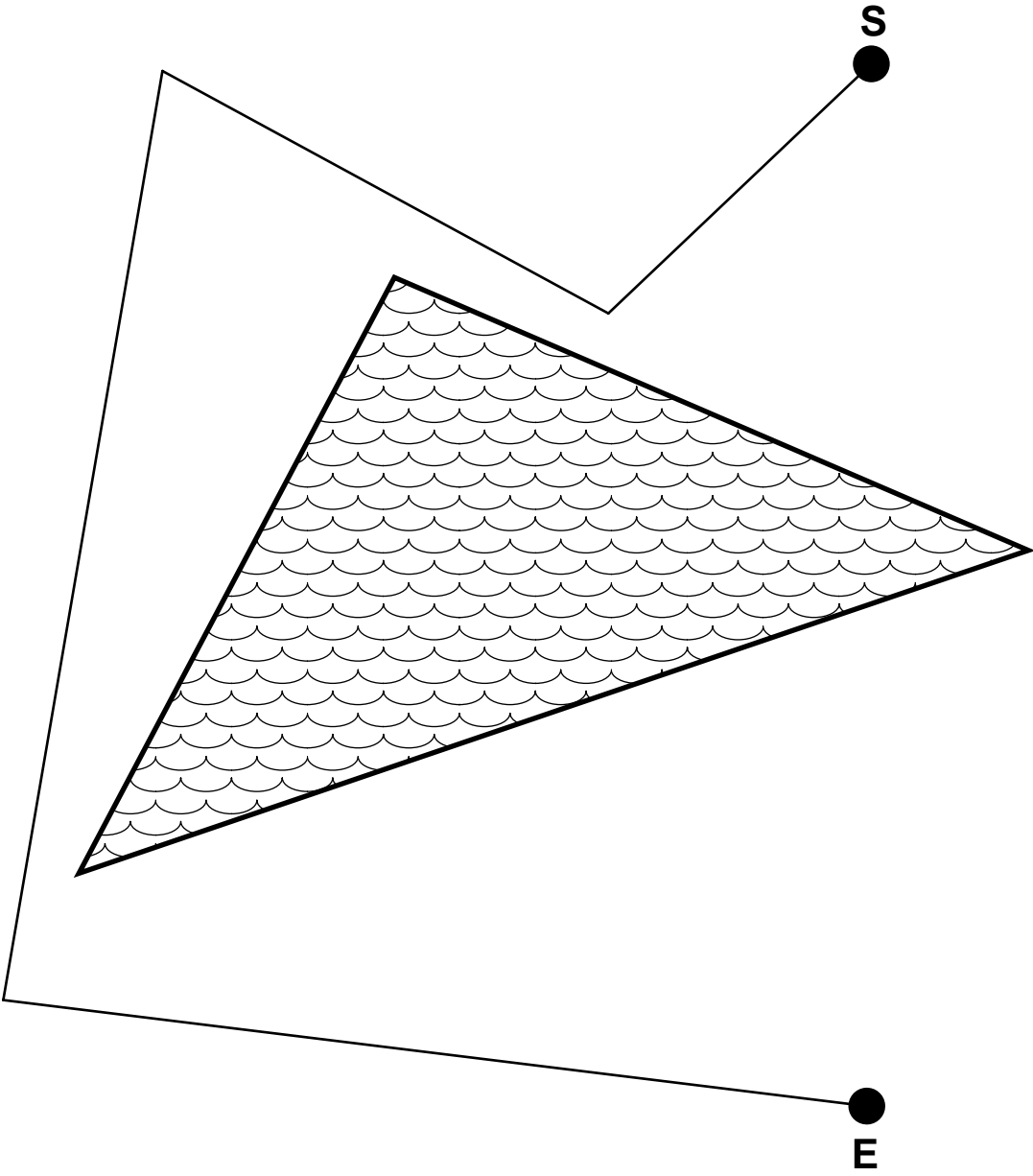
E

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 **



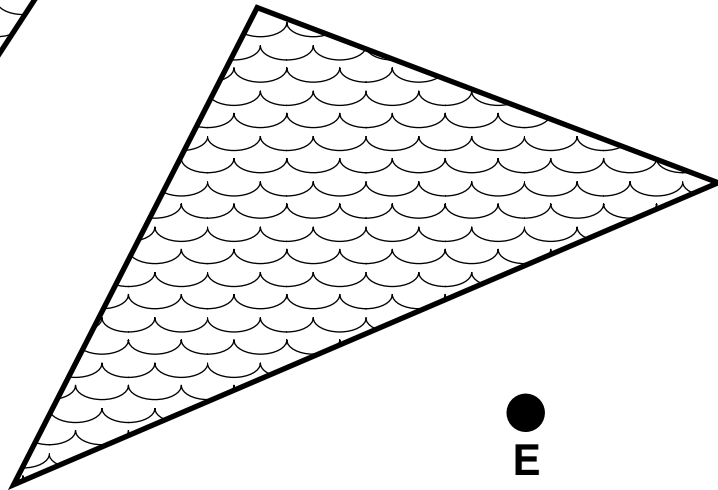
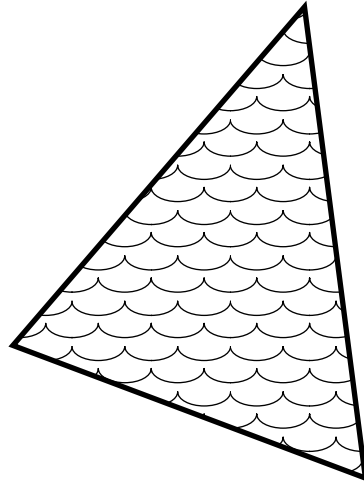
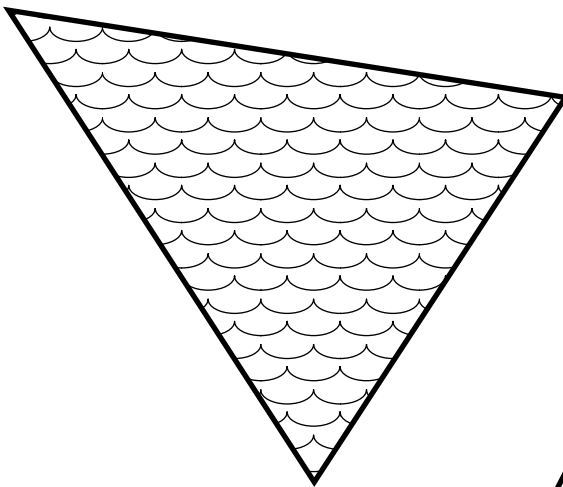
How long is this zigzag path from S to E? _____ cm

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.

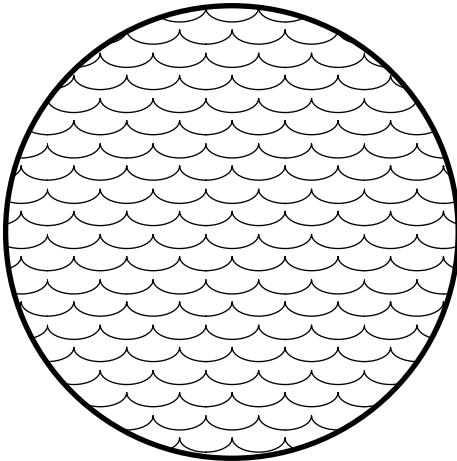
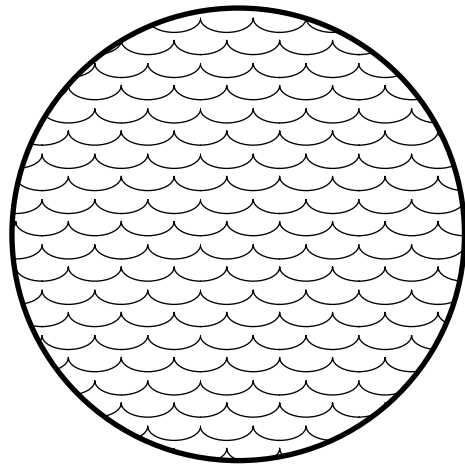
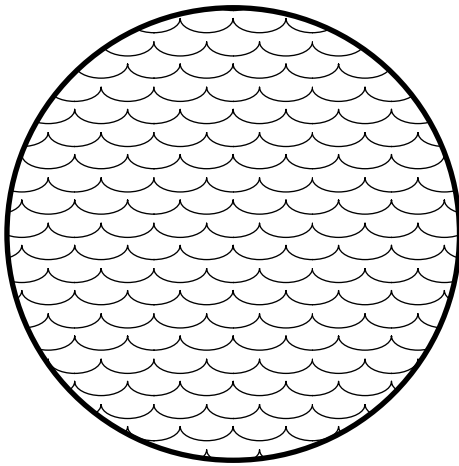
How long is your path? _____ cm

Name _____

G4



S
●



●
E

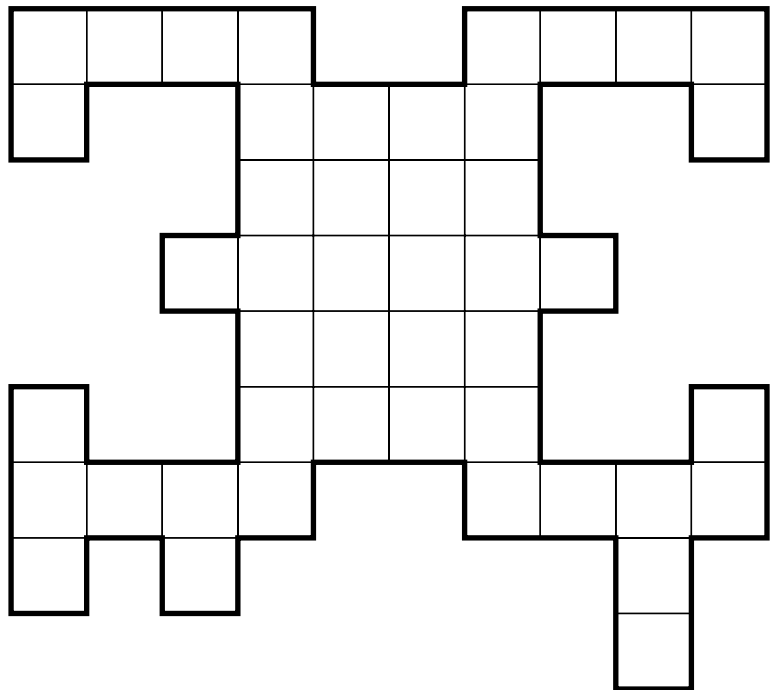
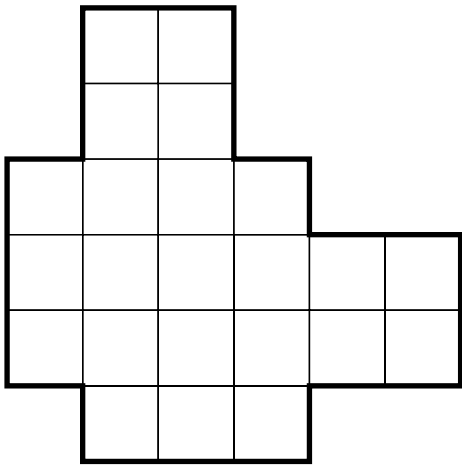
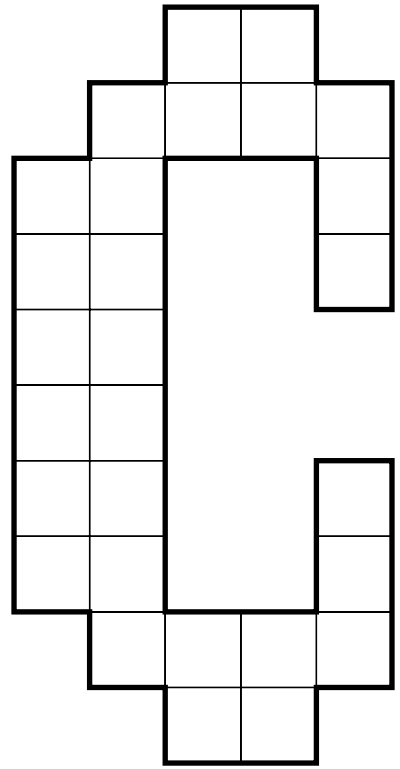
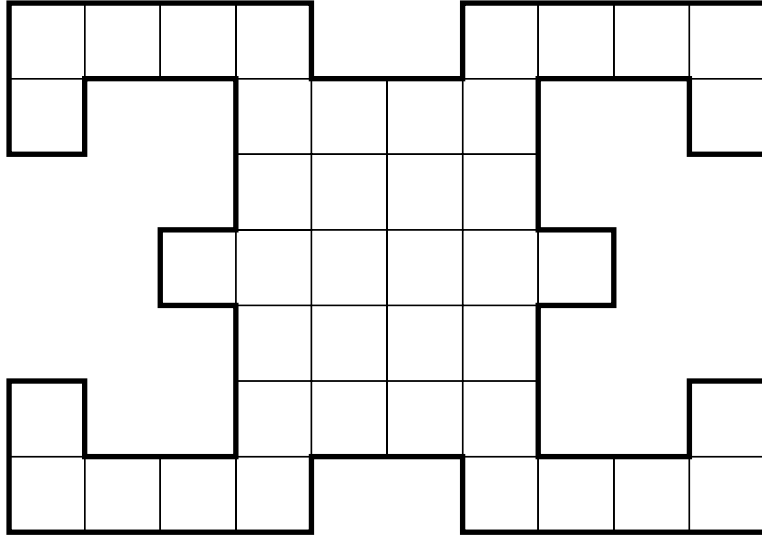
Draw a zigzag path from S to E that is longer than 50 cm.

How long is your path? _____ cm

Name _____

G5 *

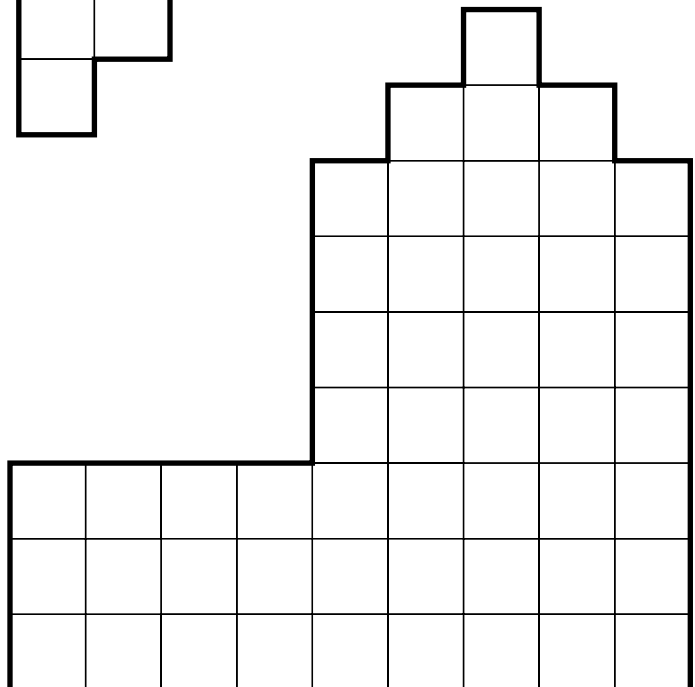
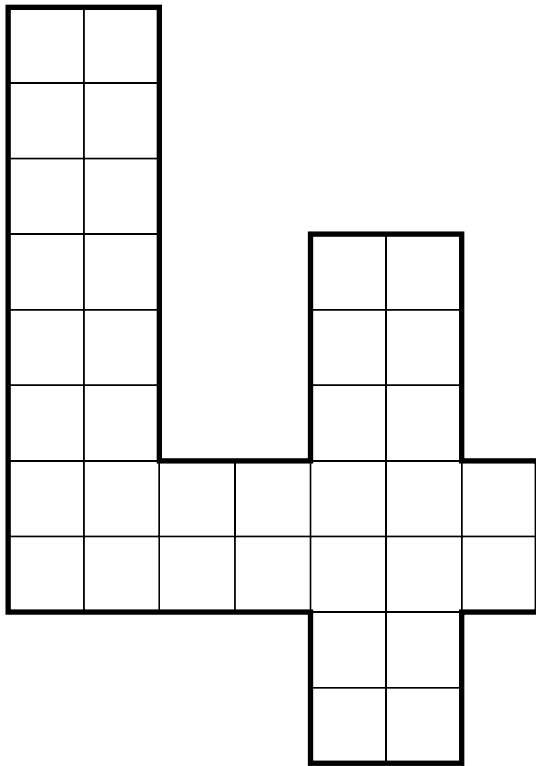
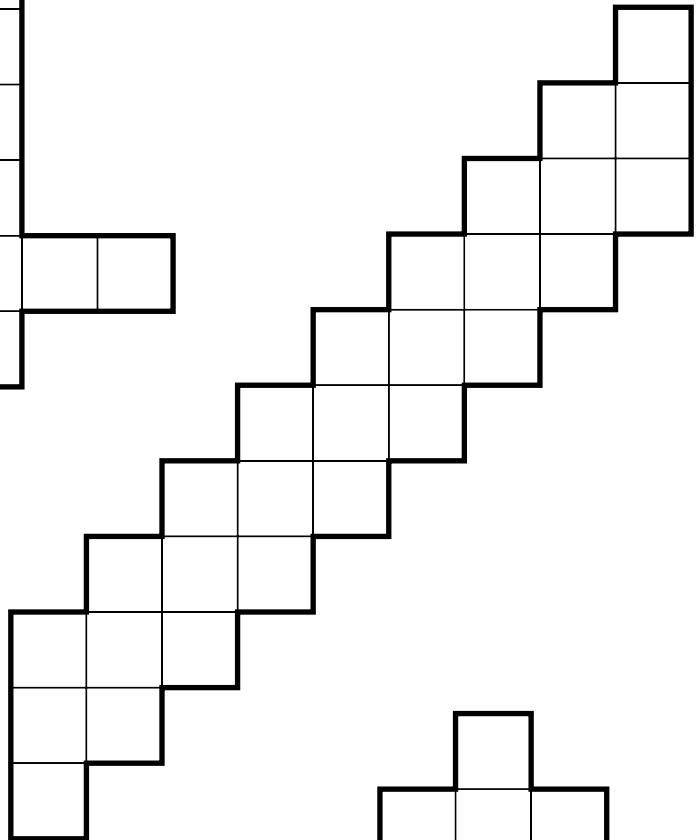
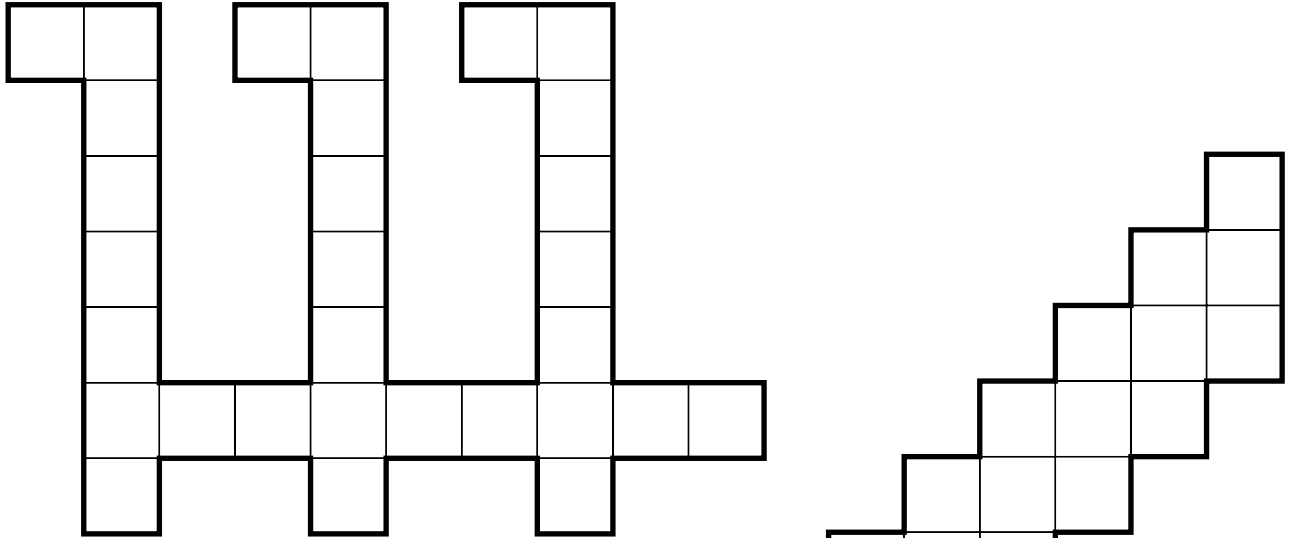
Color each shape one-half red and one-half blue.



Name _____

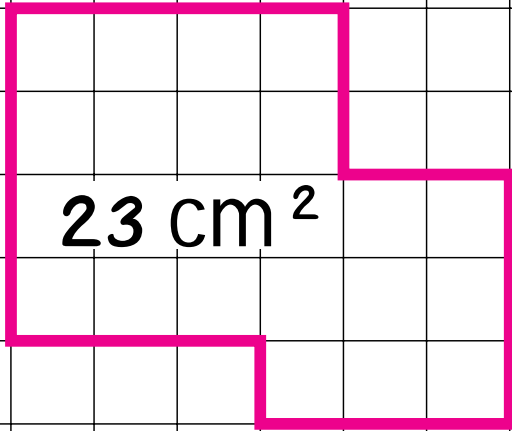
G5 **

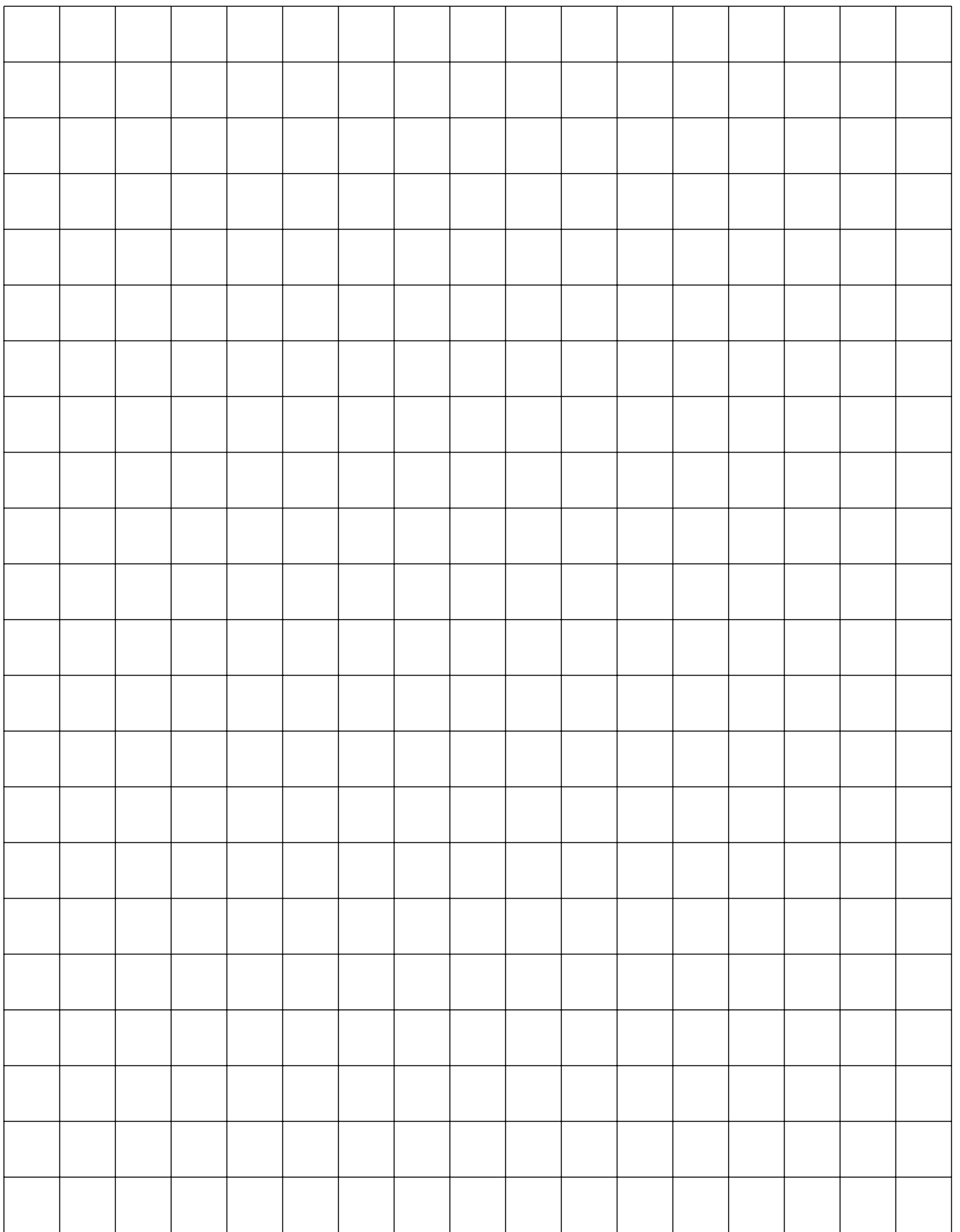
Color each shape one-third red, one-third blue, and one-third green.



Name _____

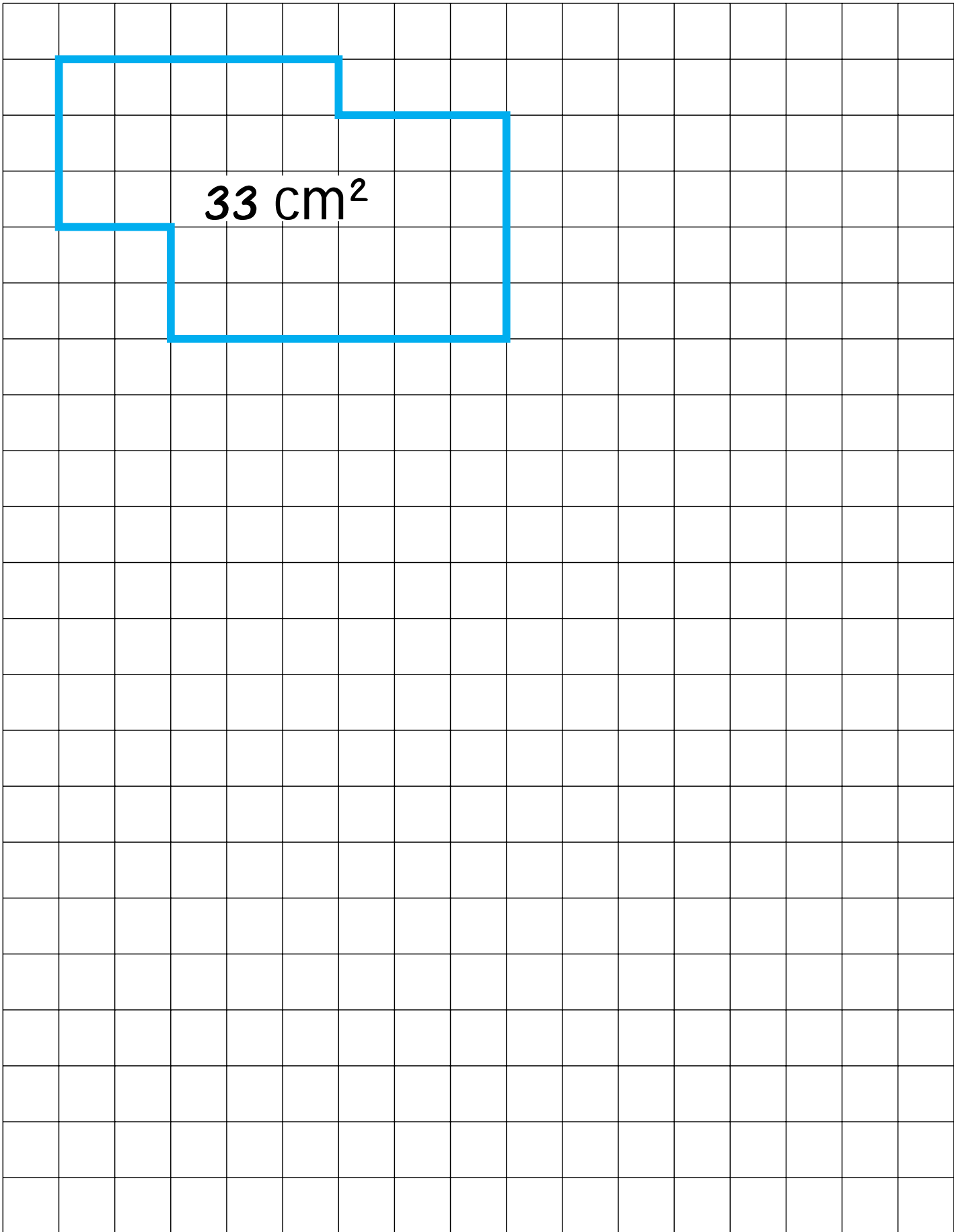
G6(a)

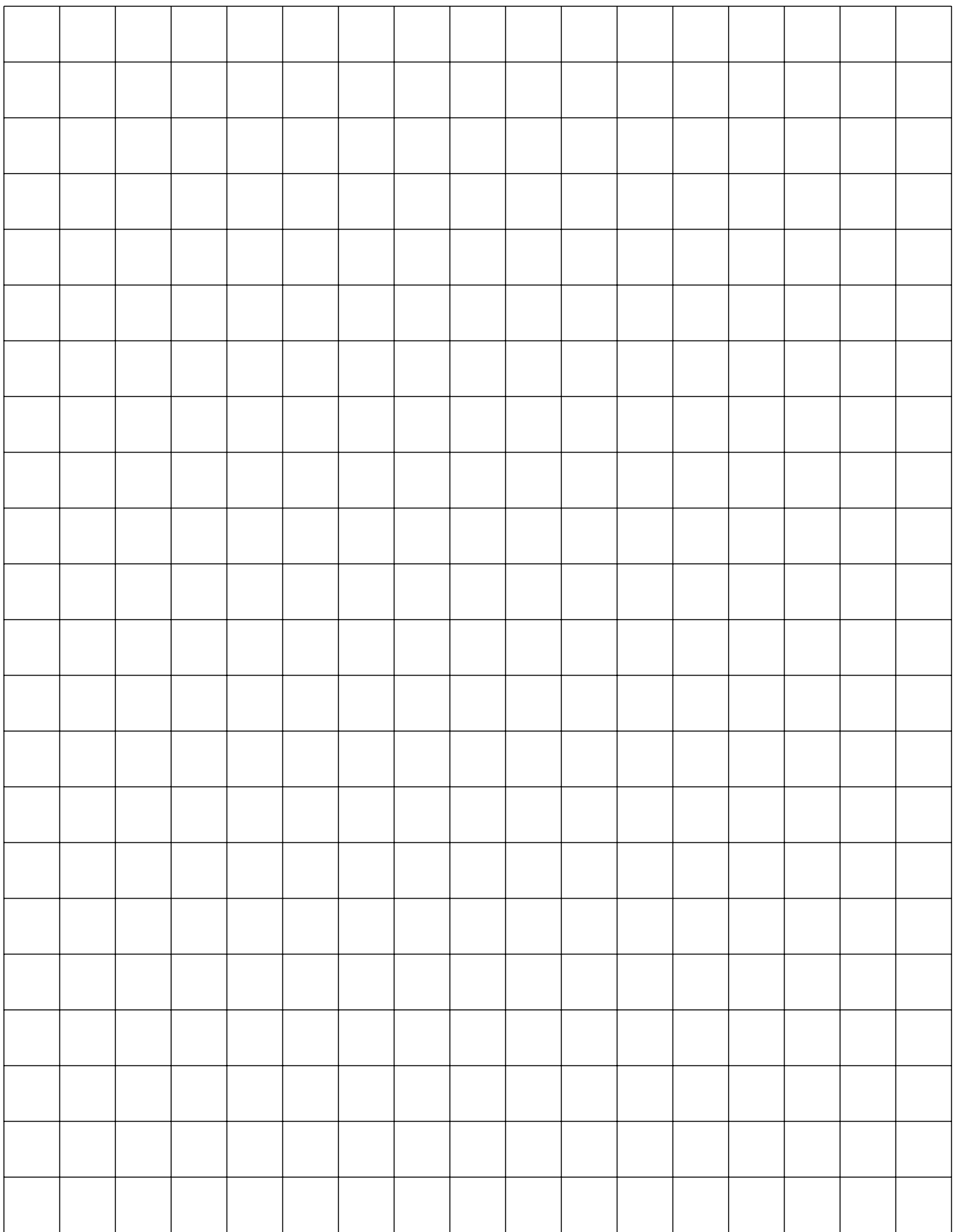




Name _____

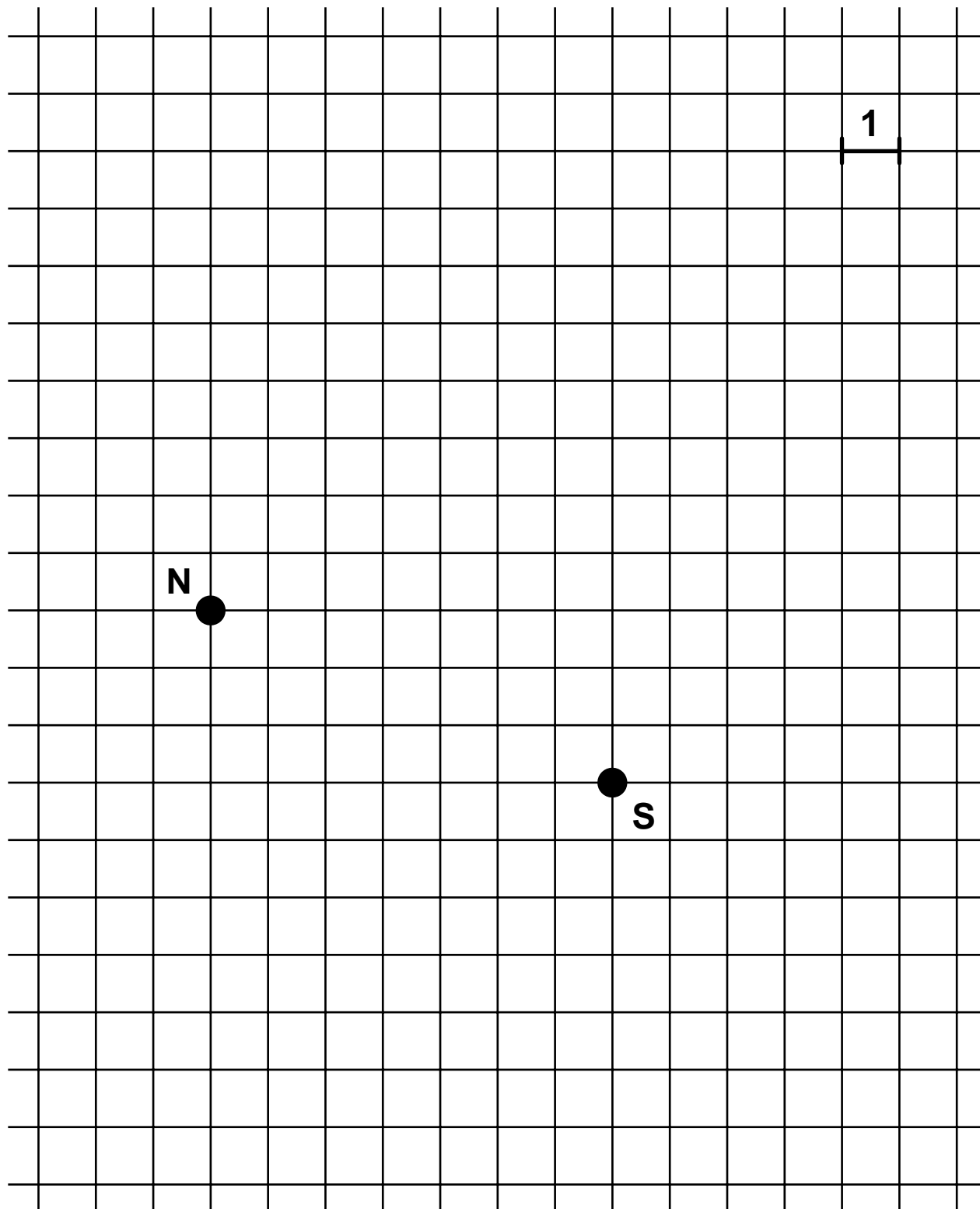
G6(b)





Name _____

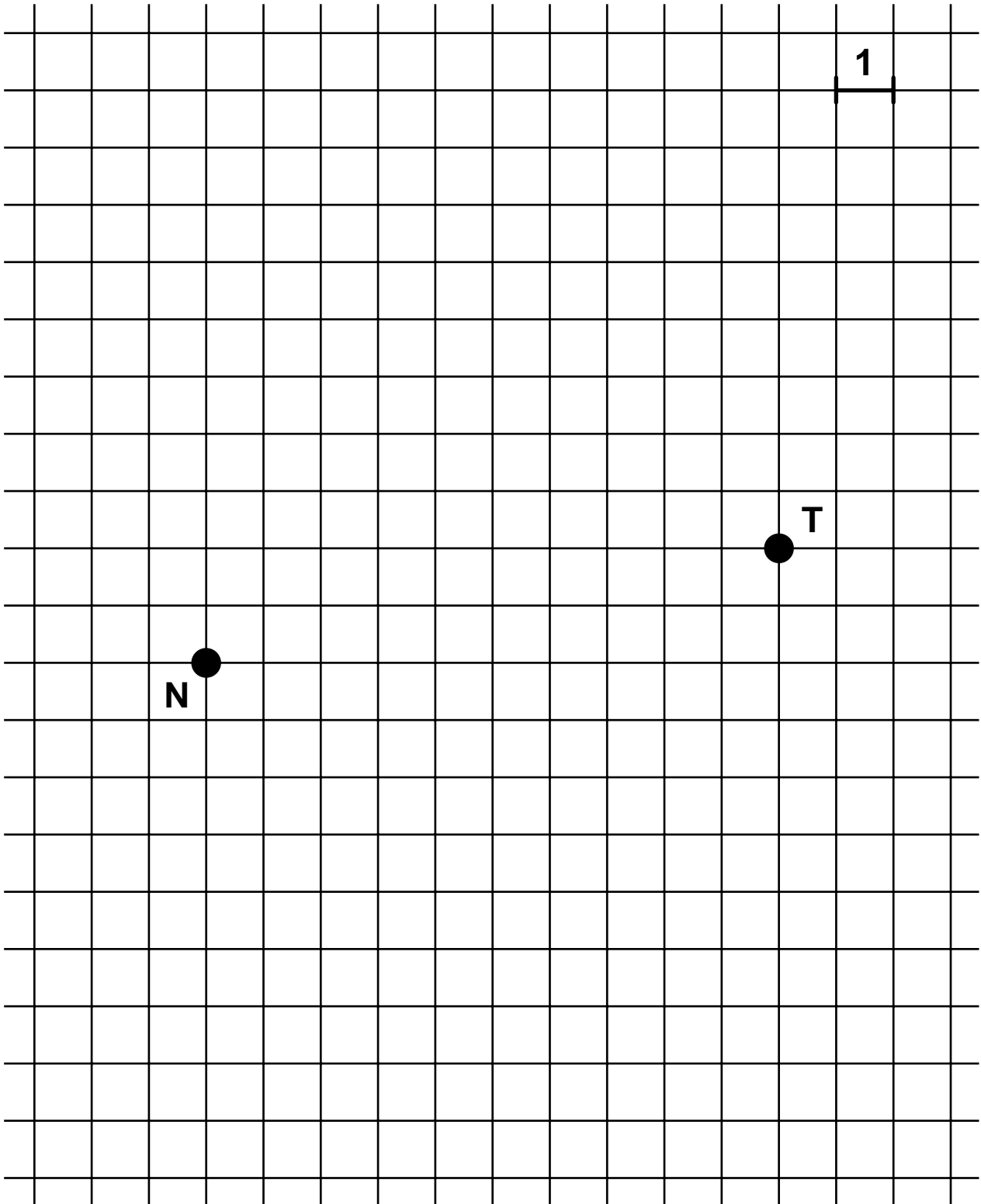
Find points the same taxi-distance from N and from S.
Color them red.



Name _____

G7 **

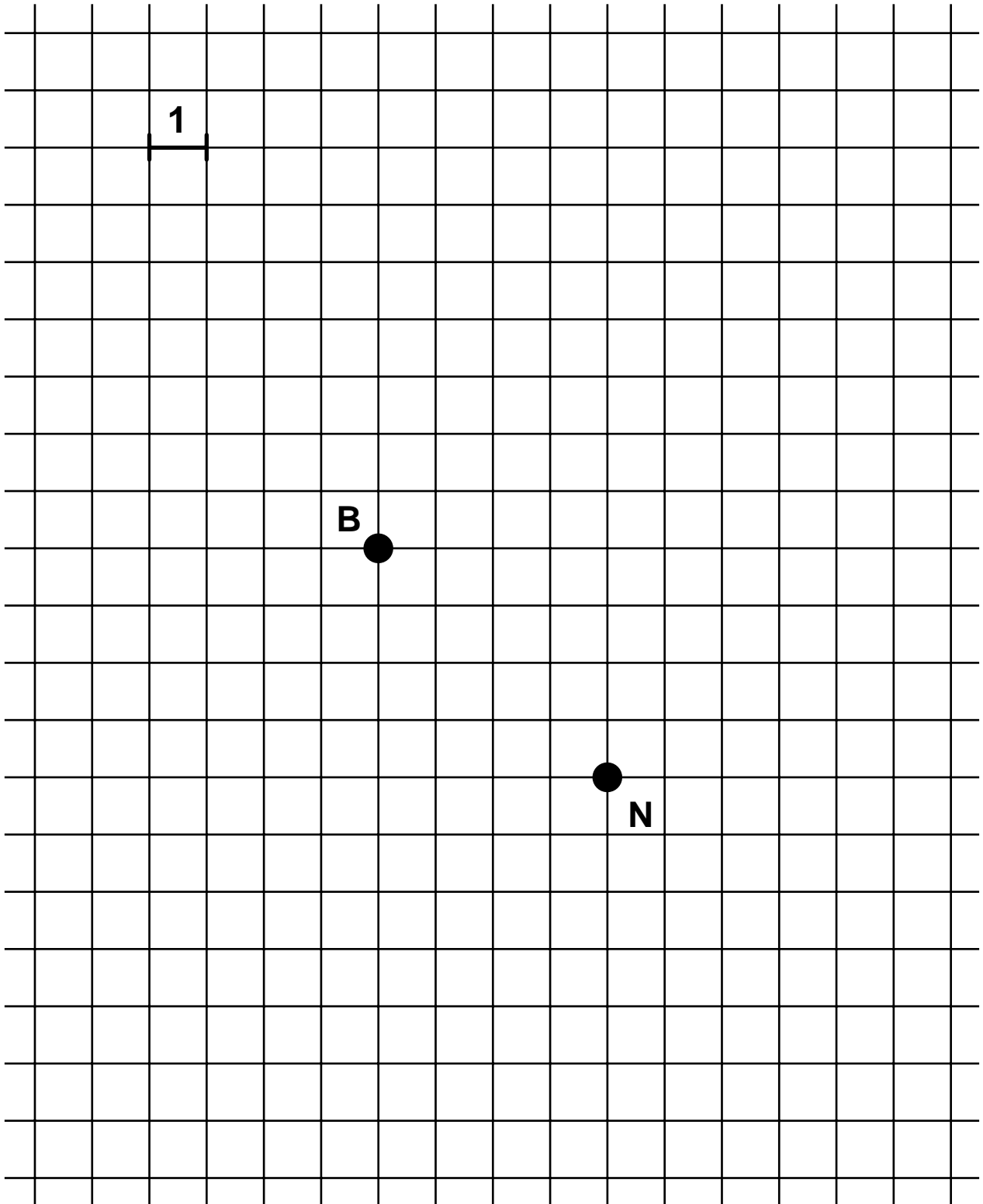
Find points the same taxi-distance from N and from T.
Color them blue.



Name _____

G9

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

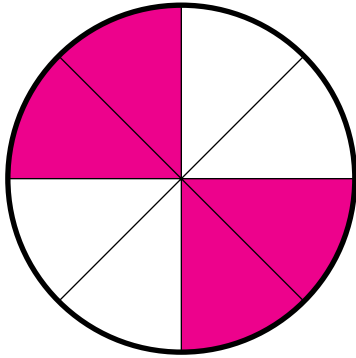


Name _____

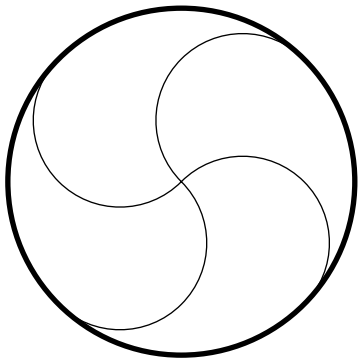
G10 *

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

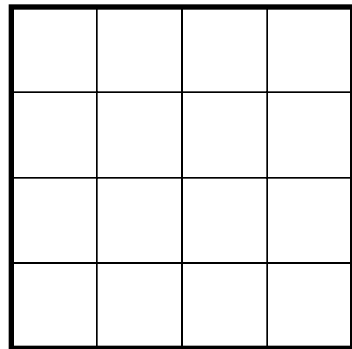
Example



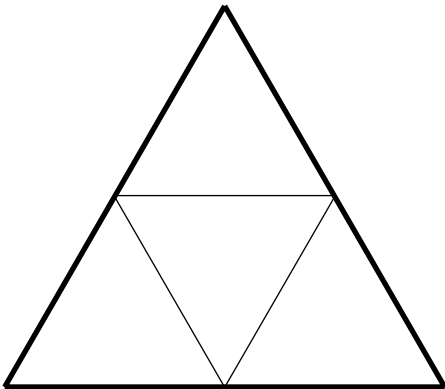
$$\frac{1}{2} = \frac{4}{8}$$



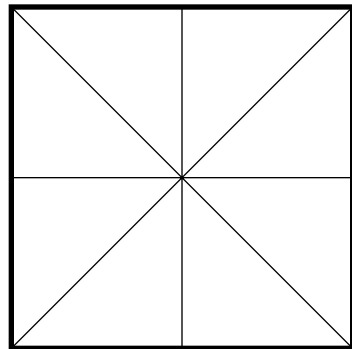
$$\frac{1}{2} = \frac{\quad}{4}$$



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



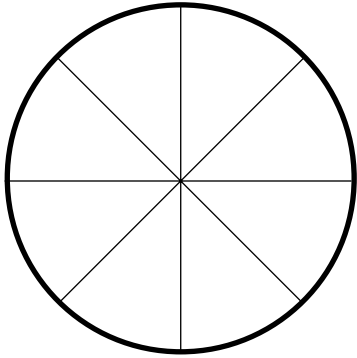
$$\frac{1}{2} = \frac{\quad}{4}$$



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

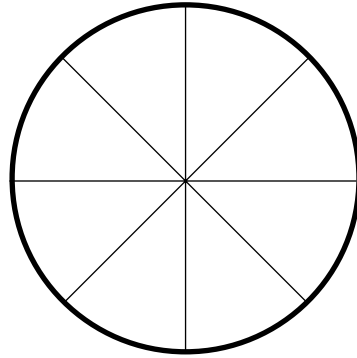
Name _____

Color one-eighth of this shape.



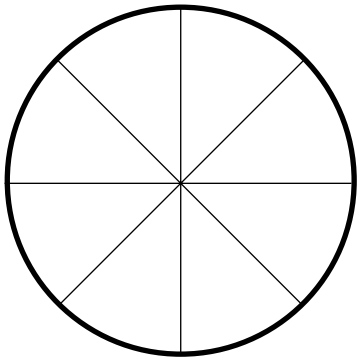
$\frac{1}{8}$

Color three-eighths of this shape.



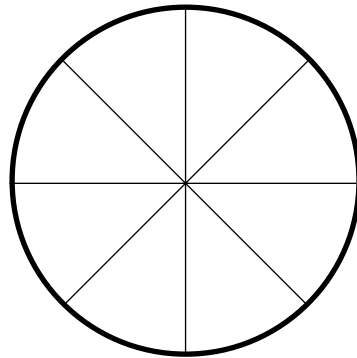
$\frac{3}{8}$

Color four-eighths of this shape.



$\frac{4}{8}$

Color seven-eighths of this shape.



$\frac{7}{8}$

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

$\frac{1}{8}$

$\frac{3}{8}$

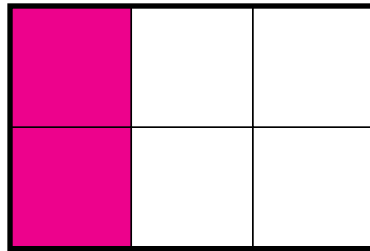
$\frac{4}{8}$

$\frac{7}{8}$

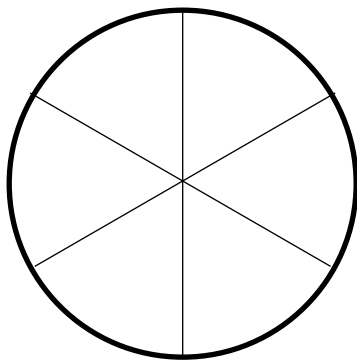
Name _____

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

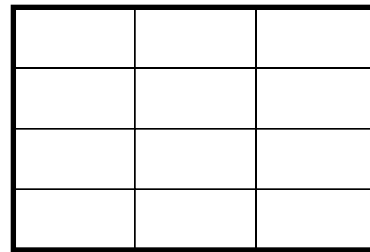
Example



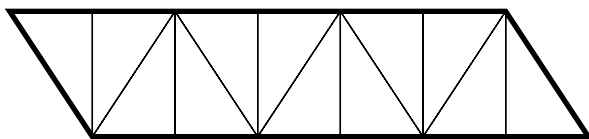
$$\frac{1}{3} = \frac{2}{6}$$



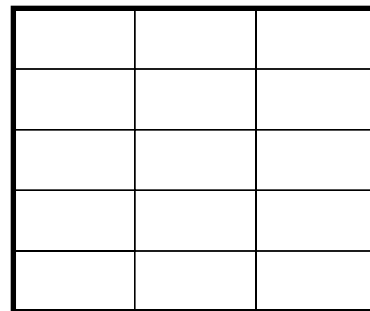
$$\frac{1}{3} = \frac{\quad}{6}$$



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



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

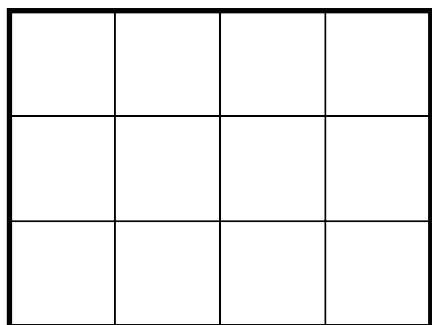


$$\frac{1}{3} = \frac{\quad}{\quad}$$

Name _____

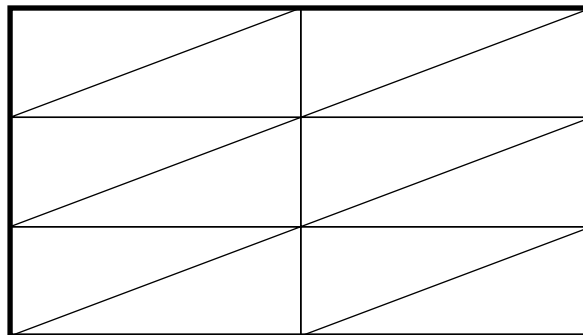
G10 ****

Color one-twelfth of this shape.



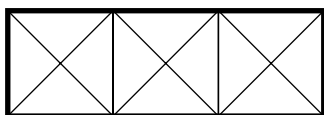
$$\frac{1}{12}$$

Color six-twelfths of this shape.



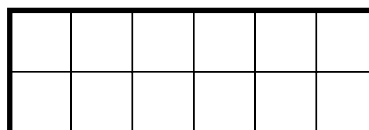
$$\frac{6}{12}$$

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 $\frac{1}{3}$:

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

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

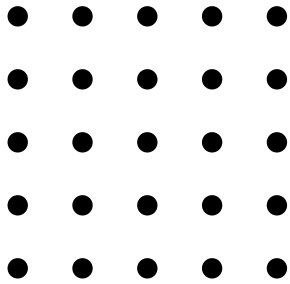
$$\frac{4}{12}$$

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

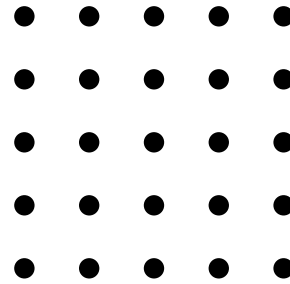
Name _____

G11

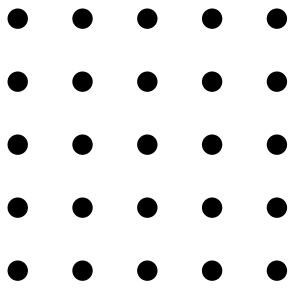
Zero Square Corners



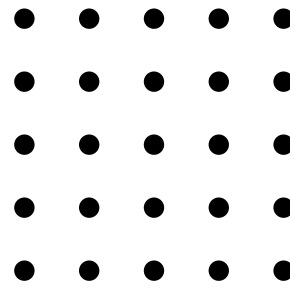
One Square Corner



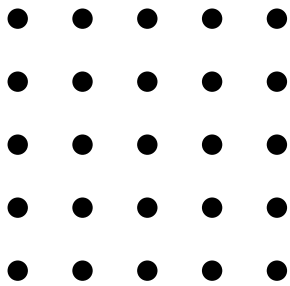
Two Square Corners



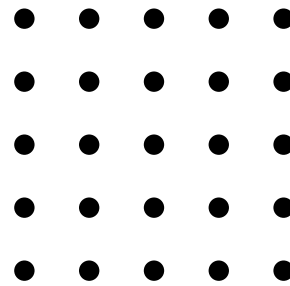
Three Square Corners



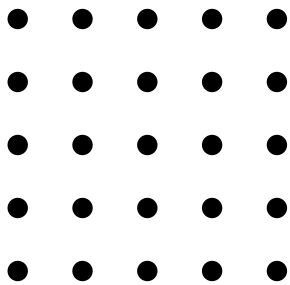
Four Square Corners



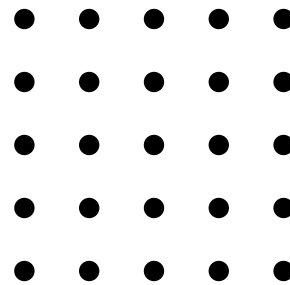
Five Square Corners

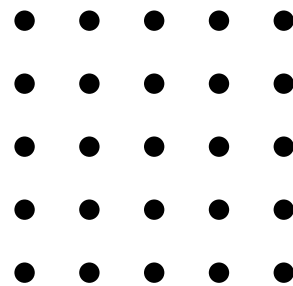
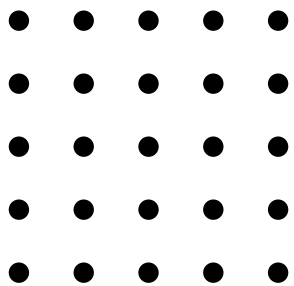
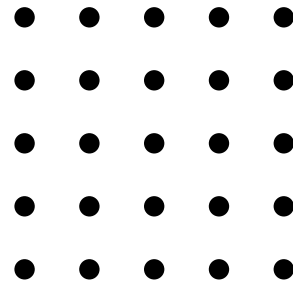
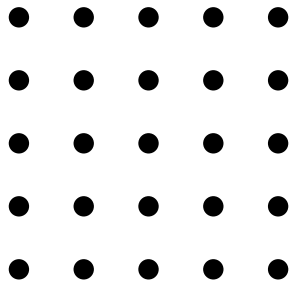
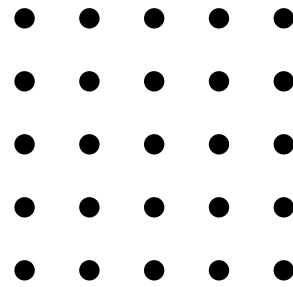
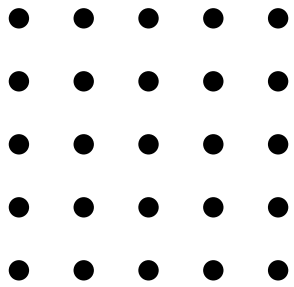
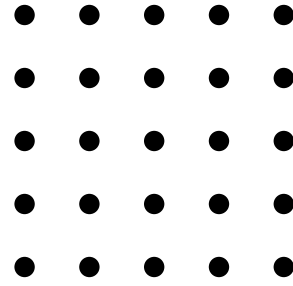
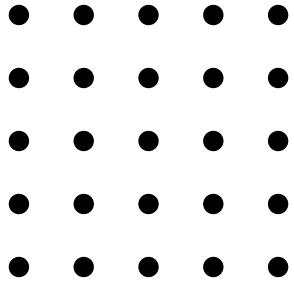


Six Square Corners



Seven Square Corners

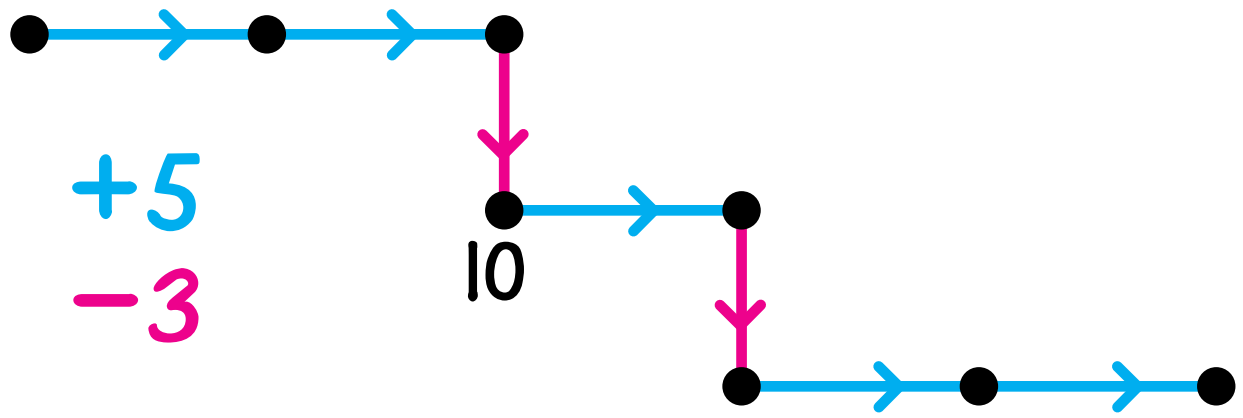




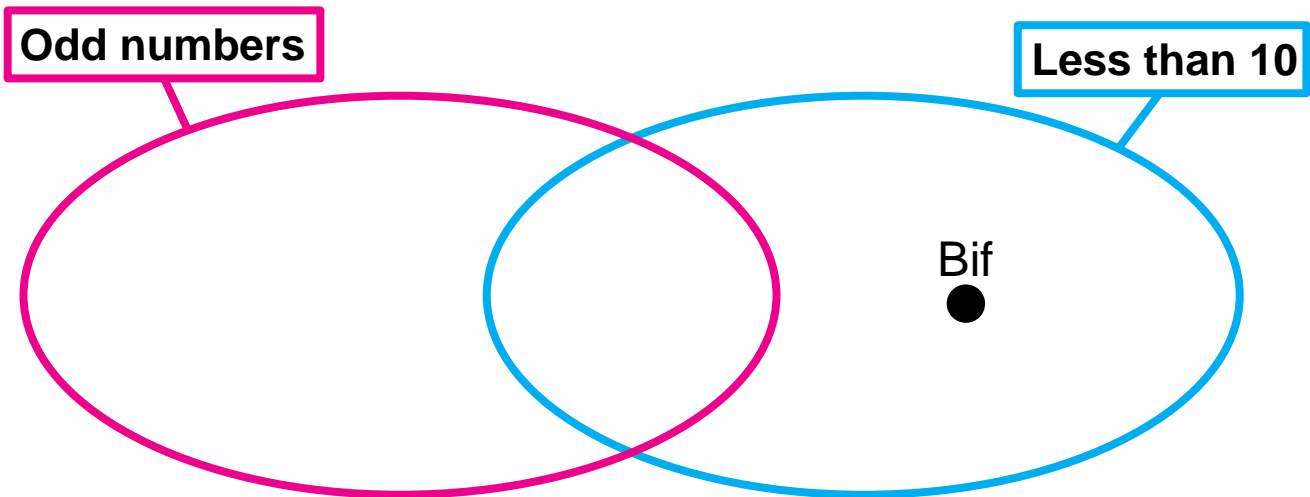
Name _____

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.

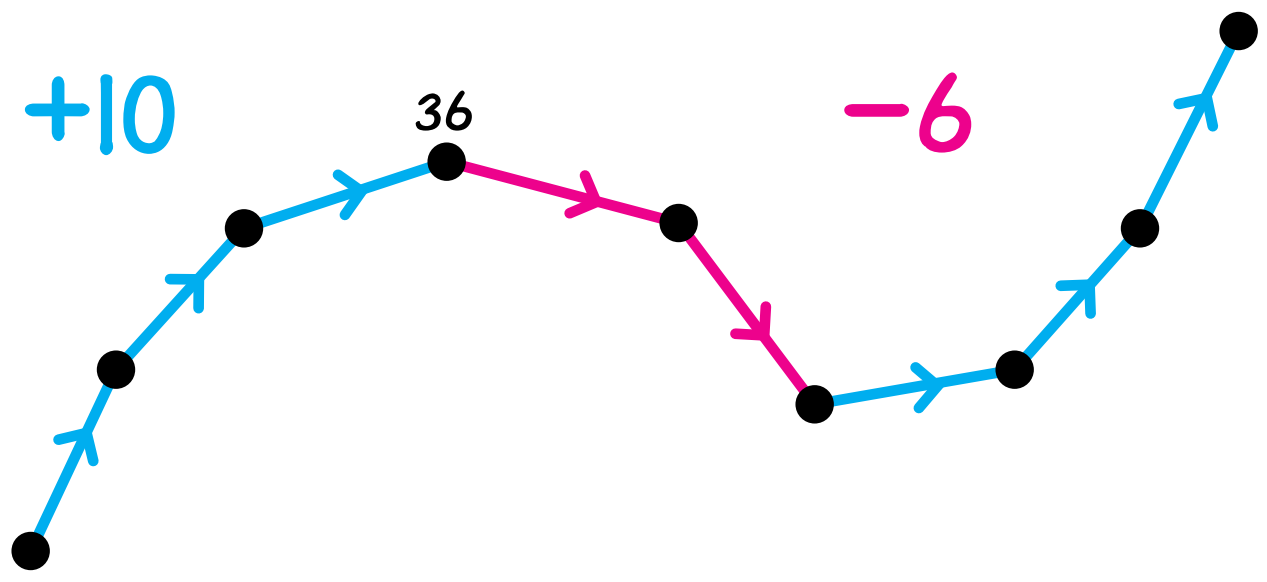


Who is Bif? _____

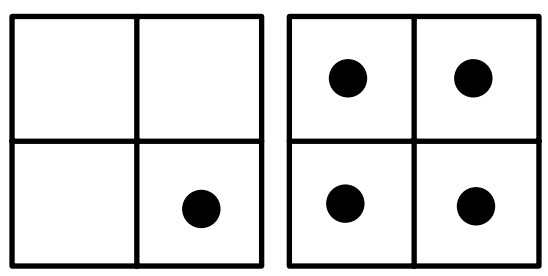
Name _____

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.

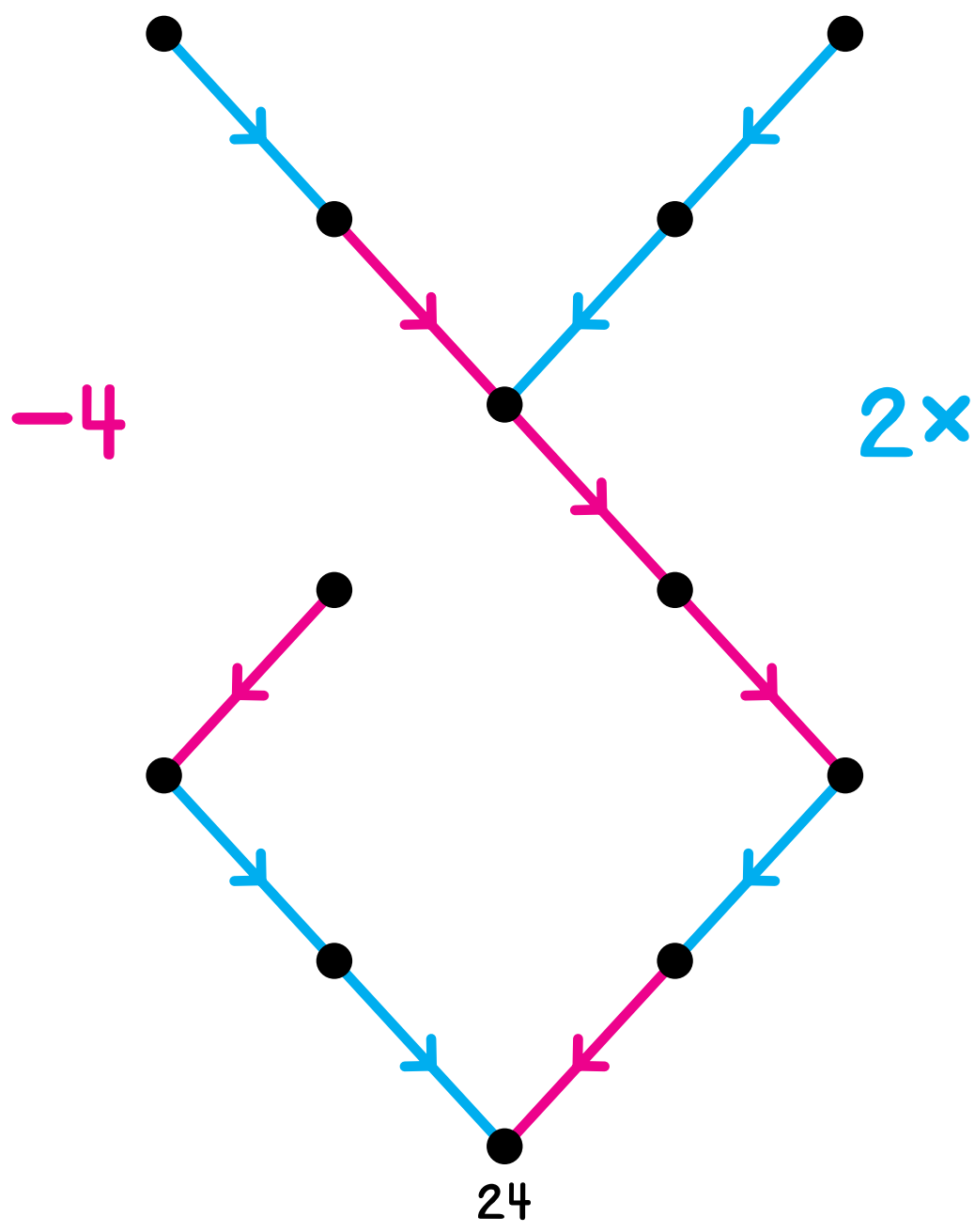


Who is Zip? _____

Name _____

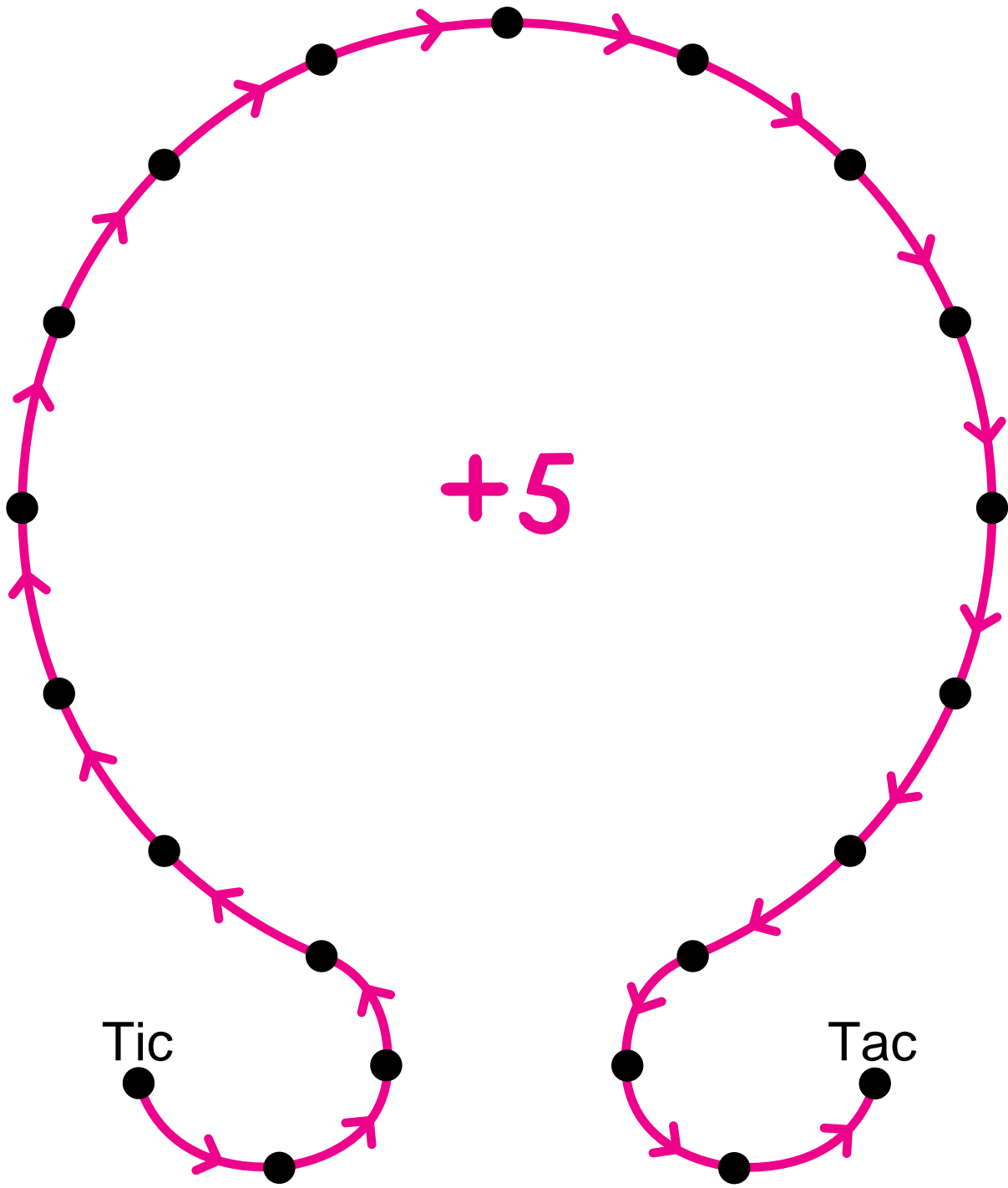
W15

Label the dots.



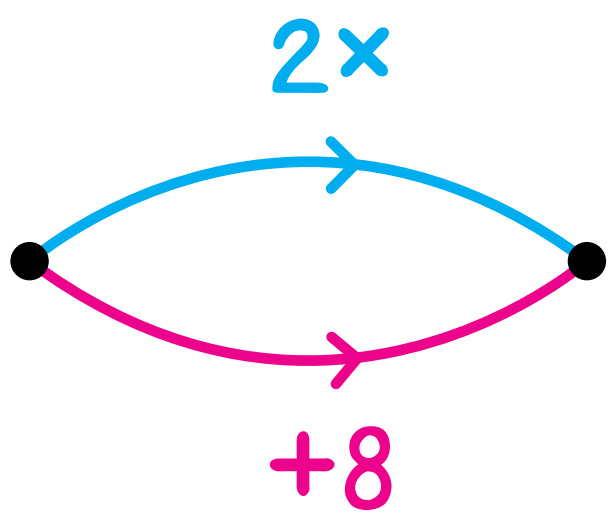
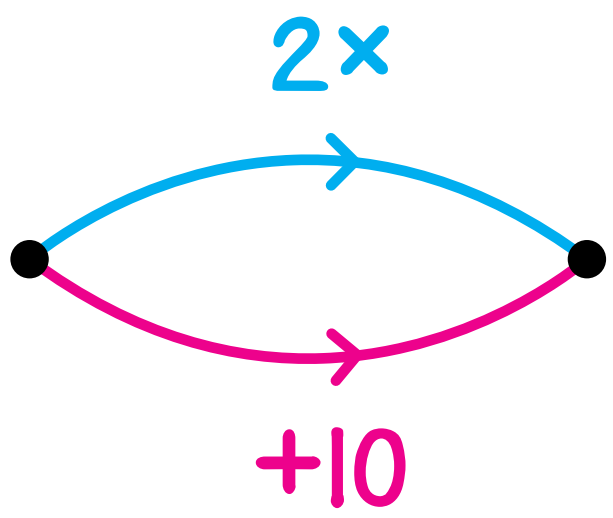
Name _____

W18



Name _____

Label the dots.



Name _____

Label the dots.

