CSMP Mathematics for the Upper Primary Grades Part II

Worksheets

What's In This Book?

This book contains all the worksheets you will need for *CSMP for the Upper Primary Grades, Part iI*. 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	N15	N31
N2	N16	N32
N4	N17	N34
N6	N21	N36
N7	N25	
N10	N29	

L Worksheets

L1	L9	L11

G Worksheets

G2	G6	G9
G4	G7	G10
G5	G8	G13

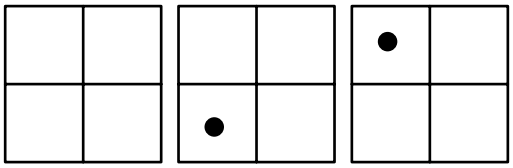
W Worksheets

W3	W6

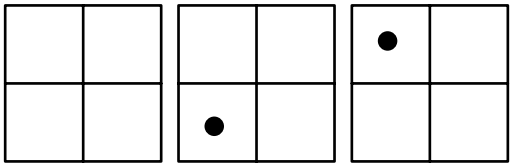
Name _____

N1 *

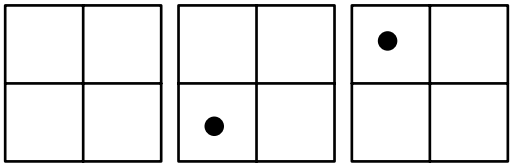
Complete.



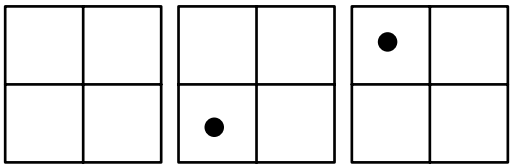
28 − 8 = _____



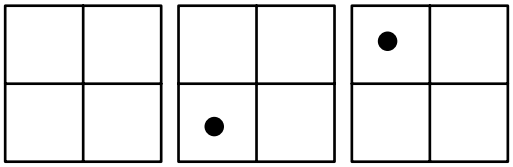
28 − 20 = _____



28 − 4 = _____



28 − 10 = _____

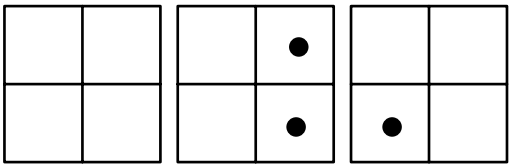


28 − 24 = _____

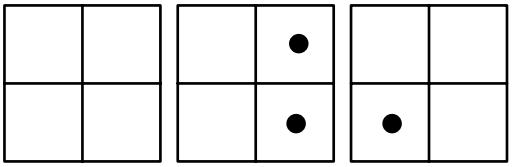
Name _____

N1 **

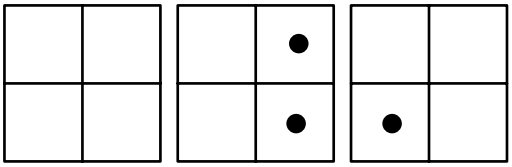
Complete.



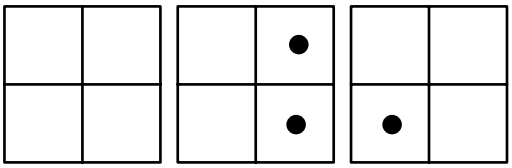
52 − 20 = _____



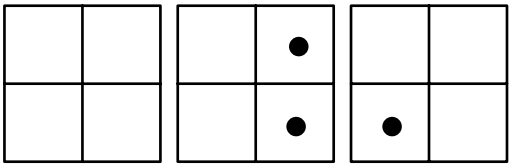
52 − 11 = _____



52 − 30 = _____



52 − 21 = _____

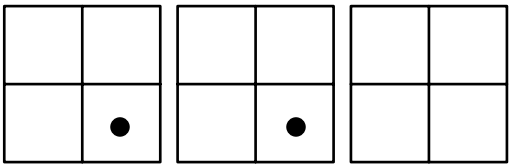


52 − 32 = _____

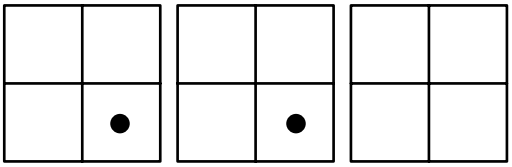
Name _____

N1 ***

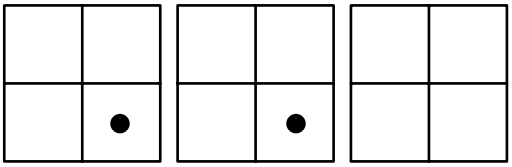
Complete.



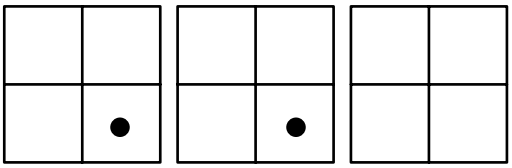
110 − 80 = _____



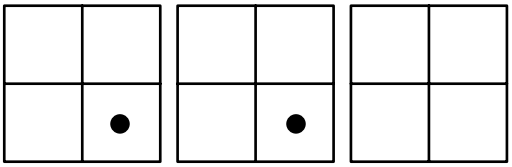
110 − 8 = _____



110 − 20 = _____



110 − 88 = _____

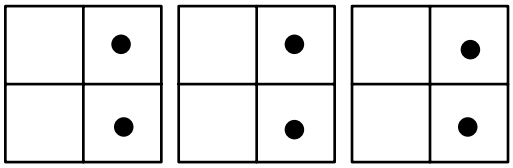


110 − 22 = _____

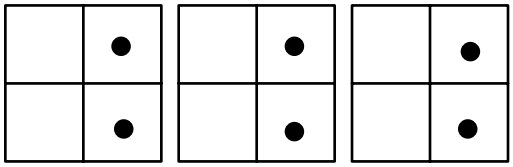
Name _____

N1 ****

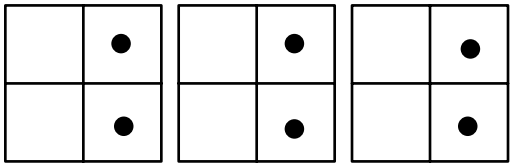
Complete.



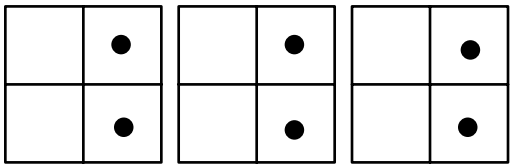
555 − 80 = _____



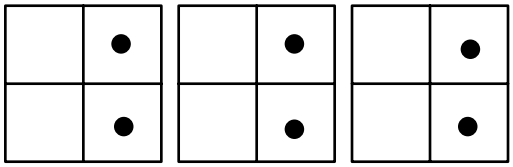
555 − 84 = _____



555 − 88 = _____



555 − 94 = _____



555 − 75 = _____

Name _____

N2

Letter Values

A -	1
B -	2
C -	3
D -	4
E -	5
F -	6
G -	7
H -	8
I -	9
J -	10
K -	11
L -	12
M -	13
N -	14
O -	15
P -	16
Q -	17
R -	18
S -	19
T -	20
U -	21
V -	22
W -	23
X -	24
Y -	25
Z -	26

Write the letters of your name on the blanks. Below each letter write its value.

___ ___ ___ ___ ___ ___ ___ ___ ___ ___

Use a calculator to add the numbers for the letters in your name.

Name Value: _____

Name _____

N4 *

Draw an arrow road from 0 to 42 using +10 and +1 arrows.

Name _____

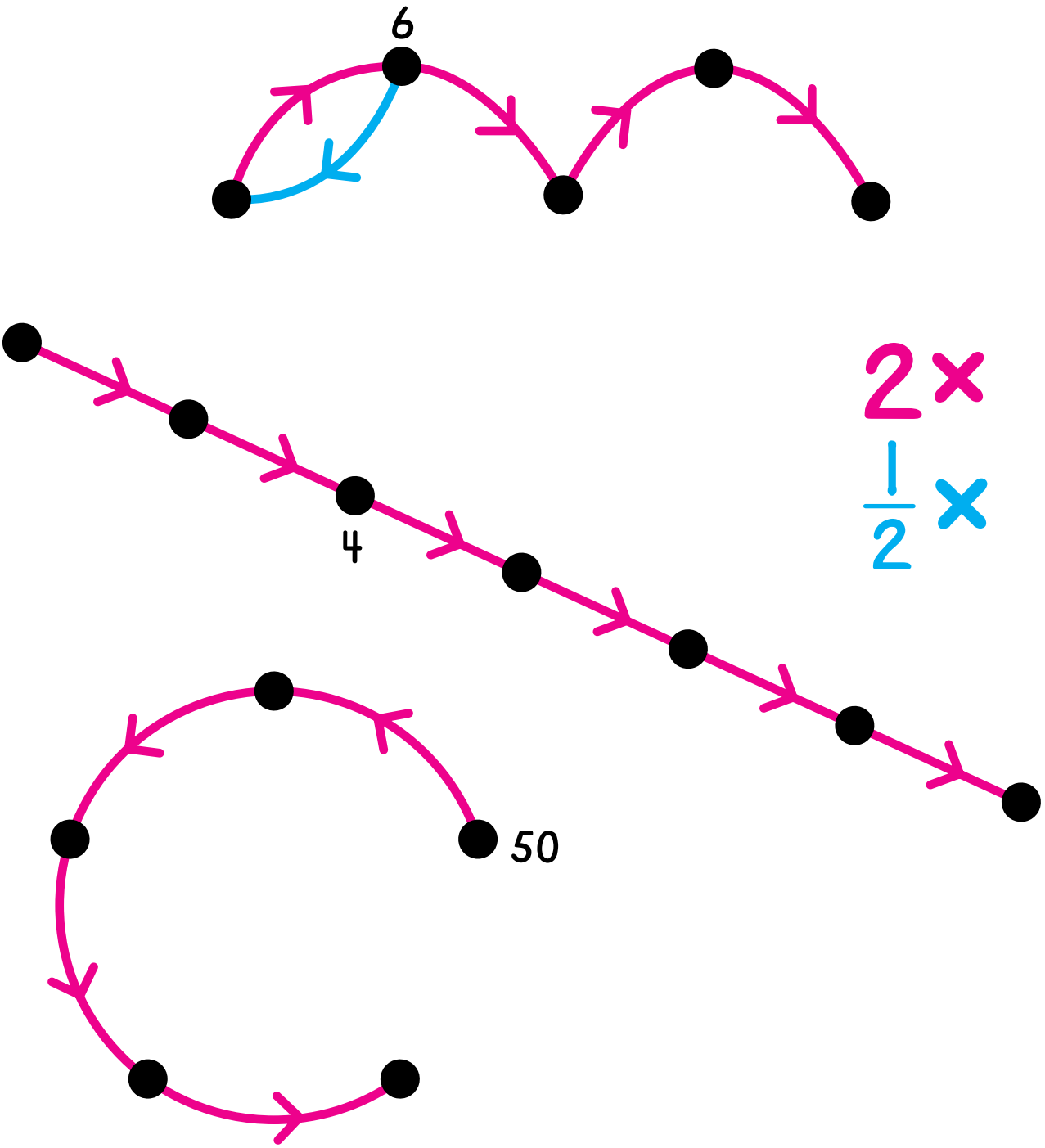
N4 **

Draw an arrow road from 5 to 62 using +10 and +1 arrows.

Name _____

N6 *

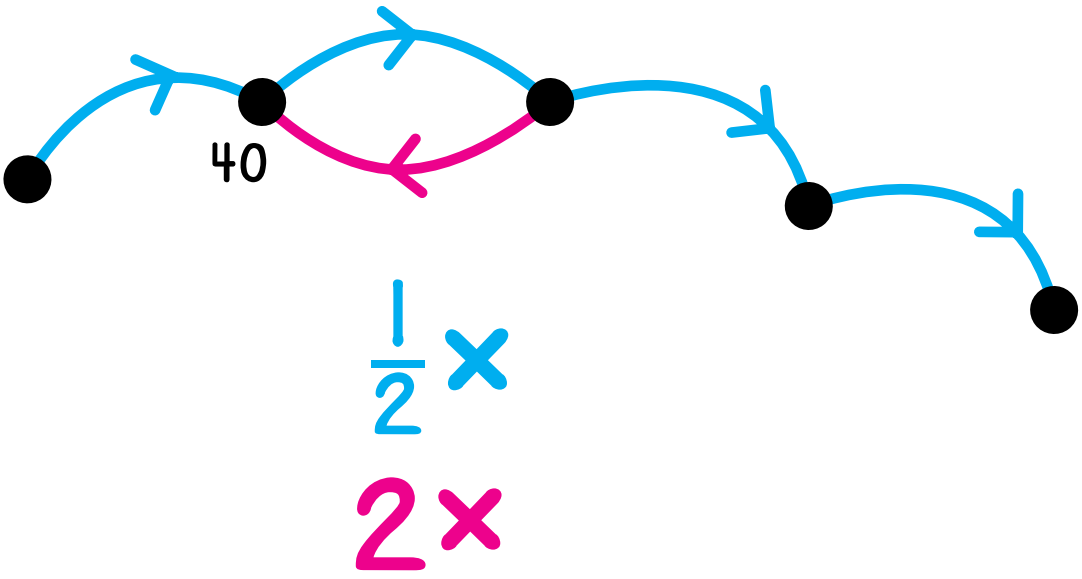
Label the dots. Draw all the missing $\frac{1}{2}x$ arrows.

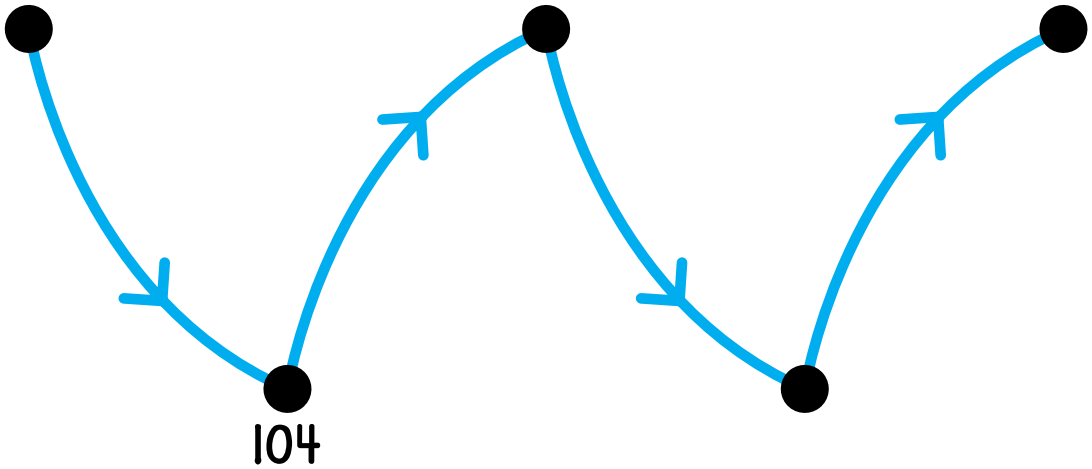


Name _____

N6 **

Label the dots. Draw all the missing 2x arrows.

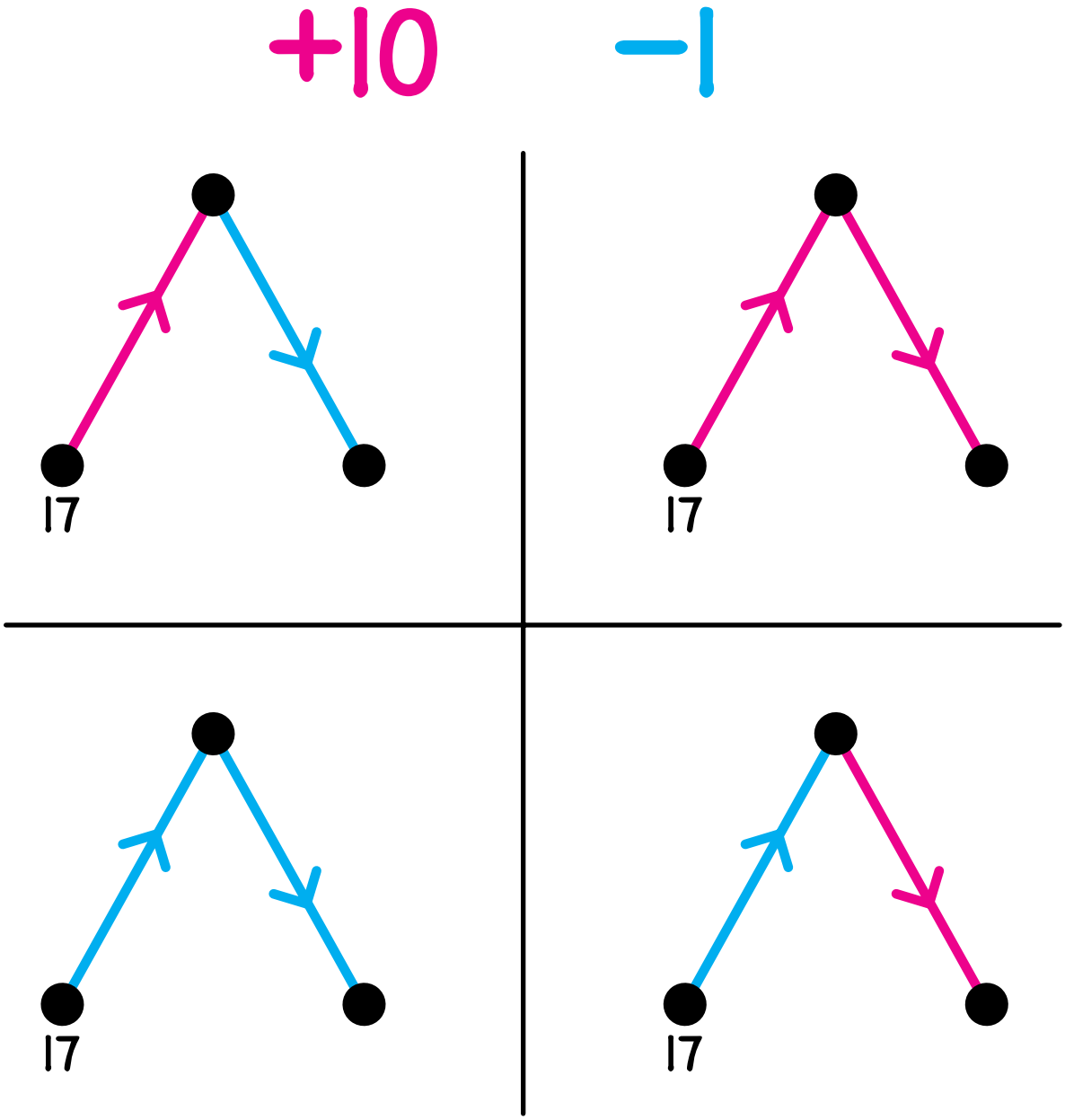




Name _____

N7 *

Label the dots.



The greatest ending number is _____.

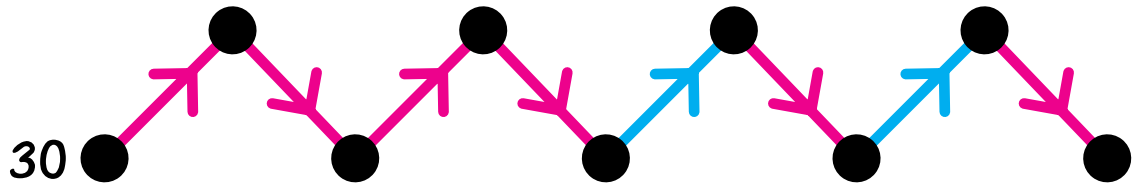
The least ending number is _____.

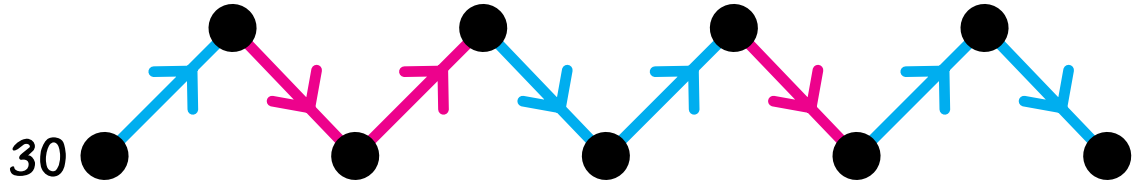
Name _____

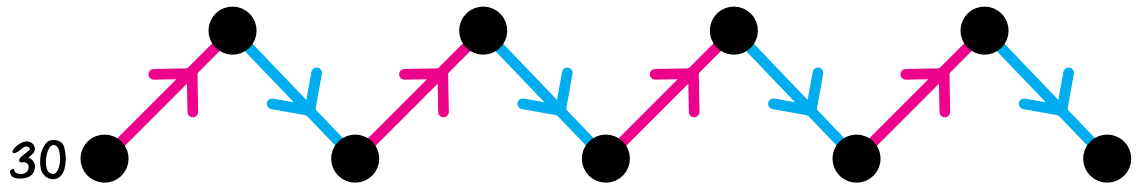
N7 **

Label the dots.

+10 −1







The greatest ending number is _____.

The least ending number is _____.

Name _____

N10 *

Build an arrow road from 1 to 9 using 2x and +1 arrows.

Name _____

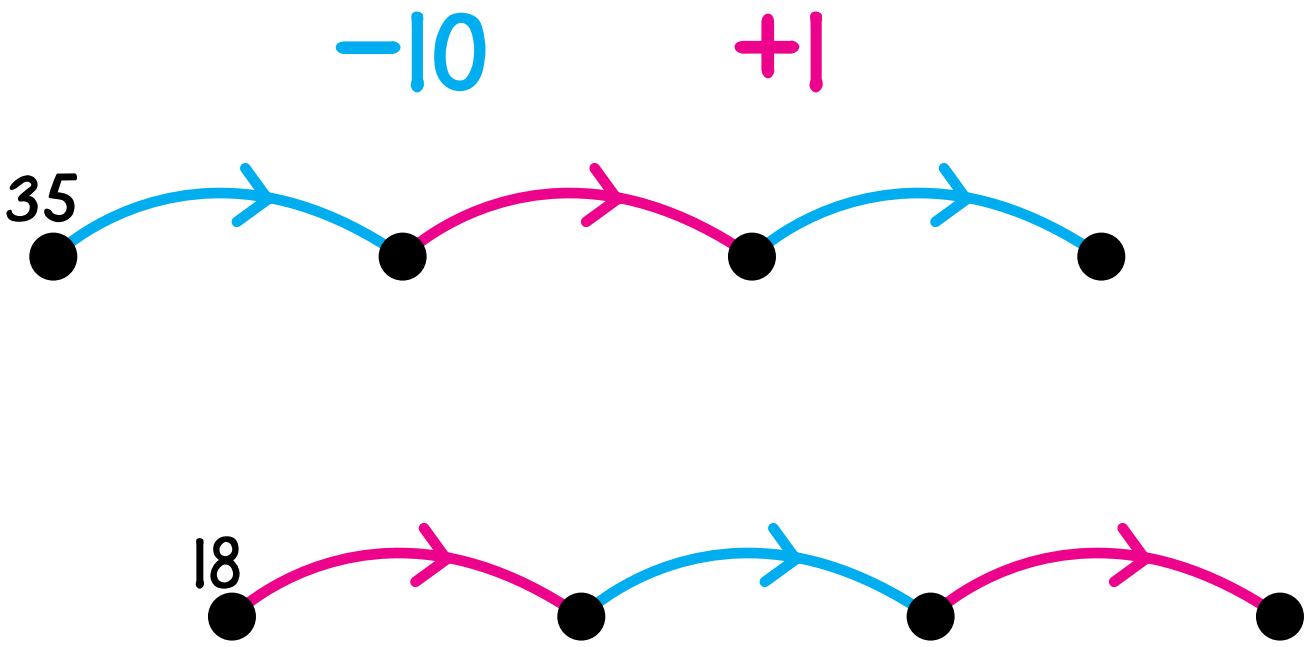
N10 **

Build an arrow road from 0 to 15 using 2x and +1 arrows.

Name _____

N15 *

Label the dots. Draw –9 arrows in green.



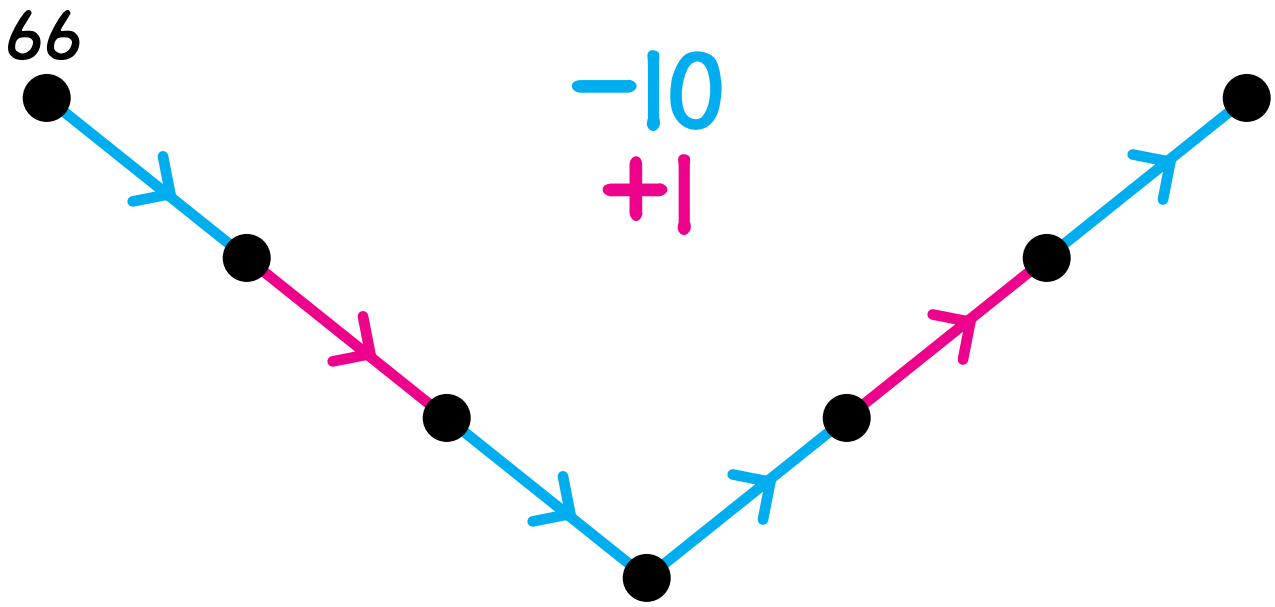
Complete.

35 − 10	35 − 9	17 − 10	17 − 9	18 − 9
26 − 10	26 − 9	15 − 10	15 − 9	25 − 9

Name _____

N15 **

Label the dots. Draw –9 arrows in green.



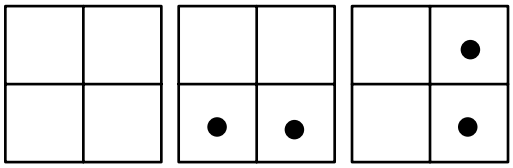
Complete.

66 − 9 =	37 − 9 =	56 − 9 =	47 − 9 =	27 − 9 =
20 − 9 =	30 − 9 =	42 − 9 =	65 − 9 =	100 − 9 =

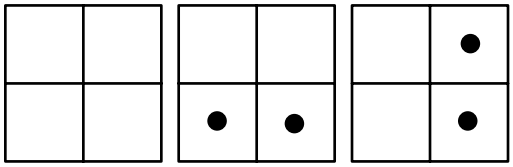
Name _____

N16 *

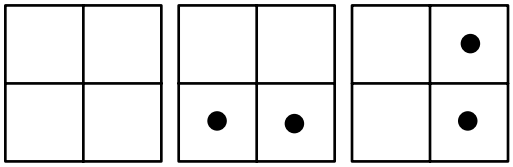
Complete.



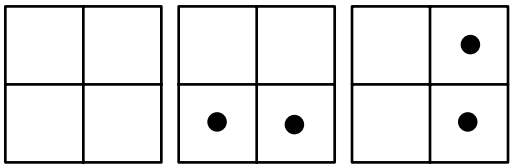
35 − 10 = _____



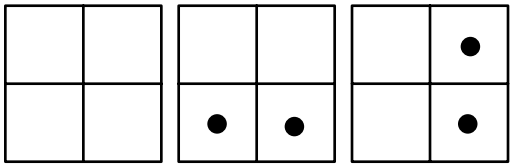
35 − 4 = _____



35 − 20 = _____



35 − 11 = _____

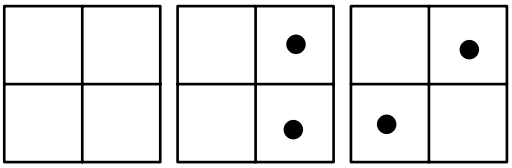


35 − 24 = _____

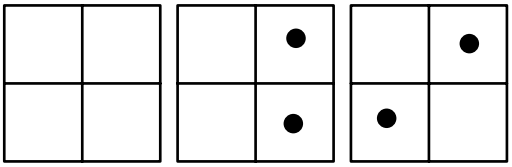
Name _____

N16 **

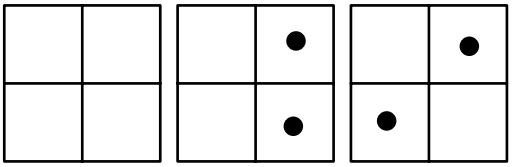
Complete.



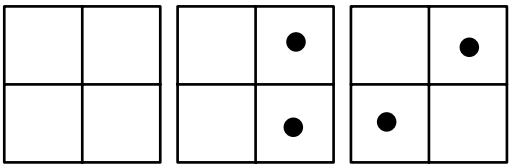
56 − 20 = _____



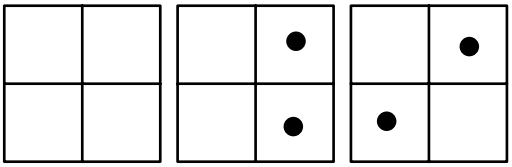
56 − 11 = _____



56 − 22 = _____



56 − 21 = _____

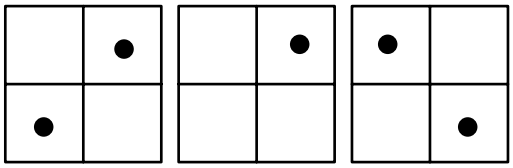


56 − 32 = _____

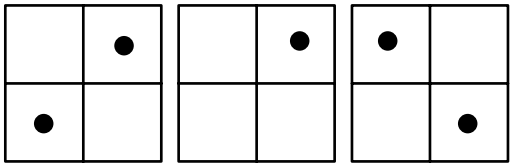
Name _____

N16 ***

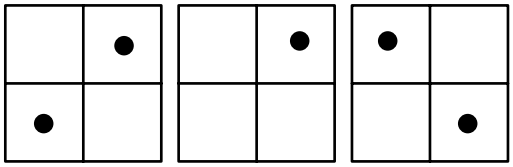
Complete.



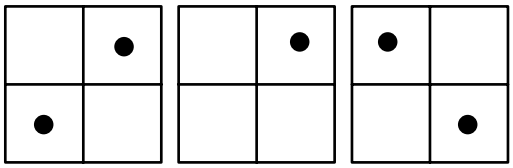
649 − 44 = _____



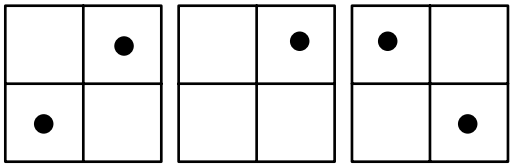
649 − 228 = _____



649 − 121 = _____



649 − 145 = _____

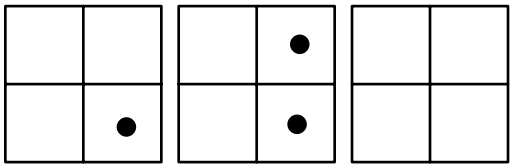


649 − 524 = _____

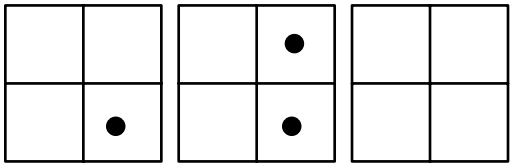
Name _____

N16 ****

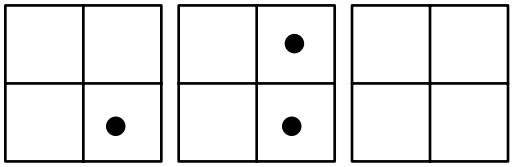
Complete.



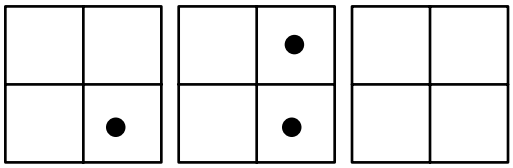
150 − 8 = _____



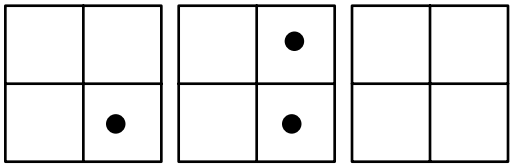
150 − 80 = _____



150 − 30 = _____



150 − 82 = _____



150 − 68 = _____

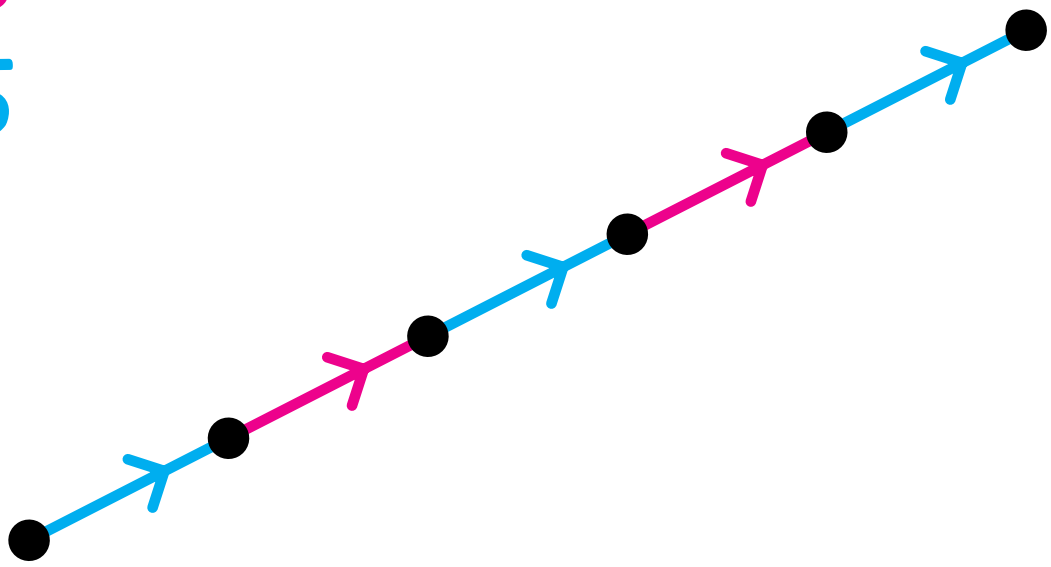
Name _____

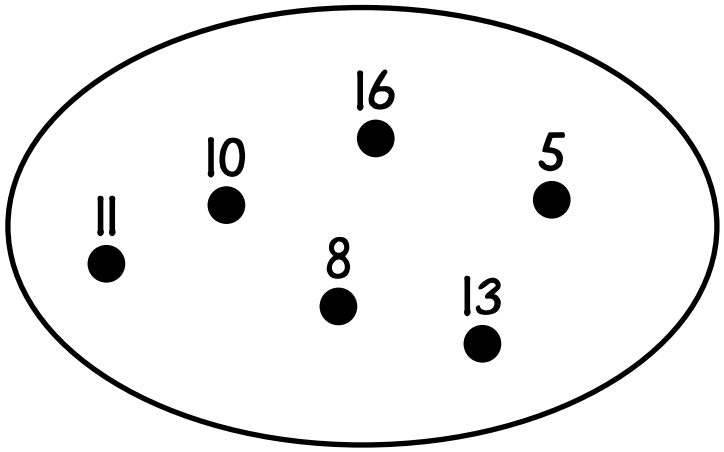
N17 *

Place the numbers from the string correctly in the arrow picture.

+8

−5

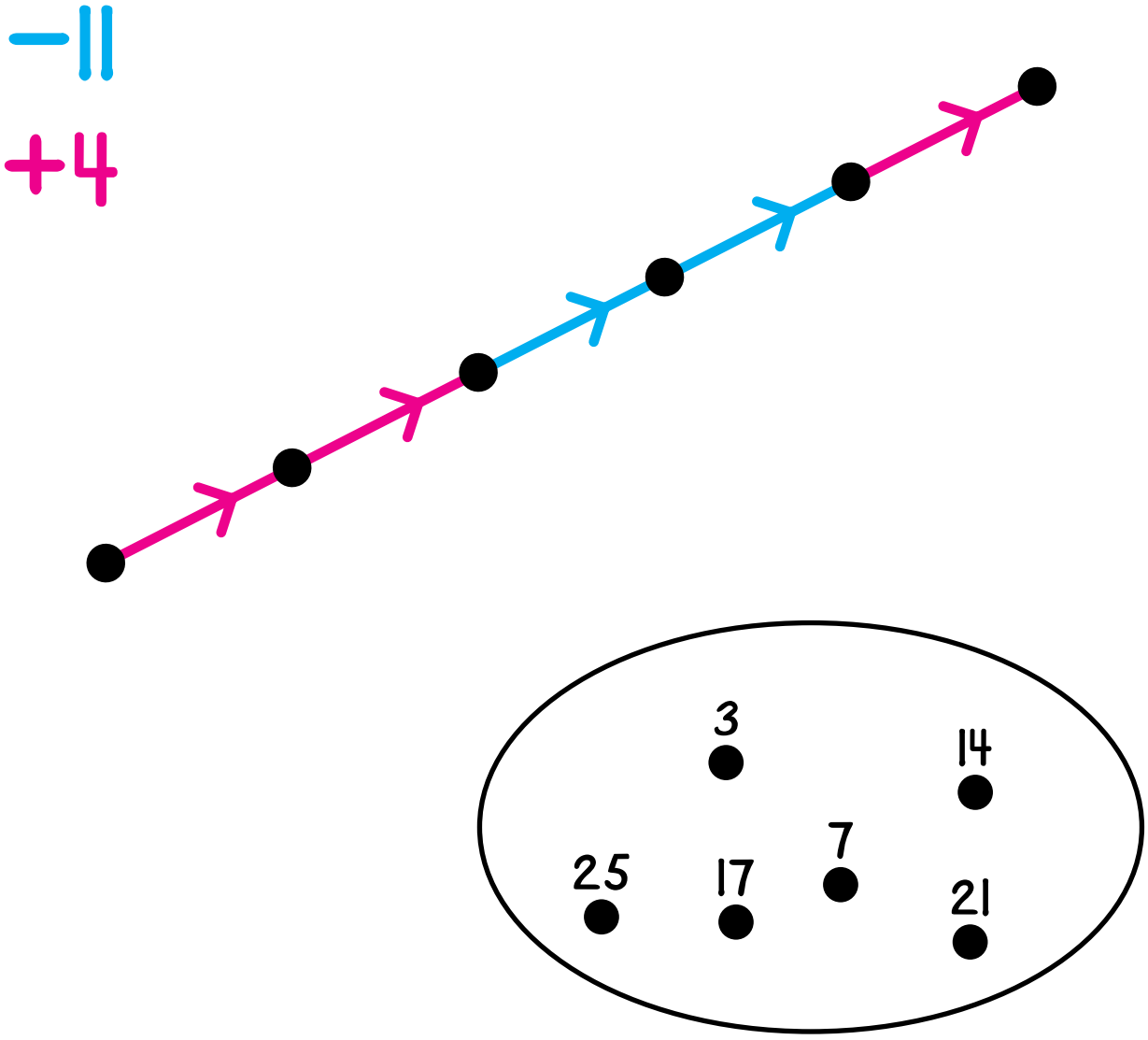




Name _____

N17 **

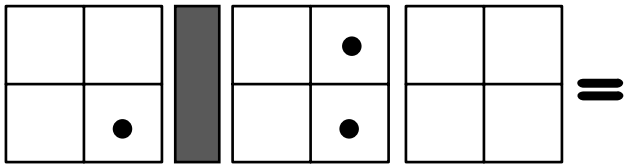
Place the numbers from the string correctly in the arrow picture.

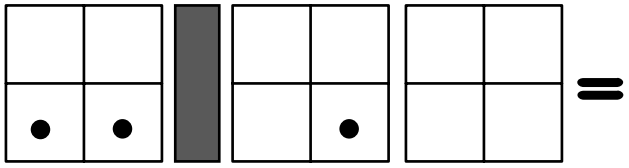


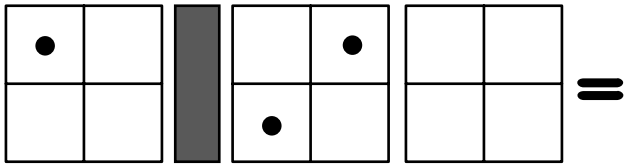
Name _____

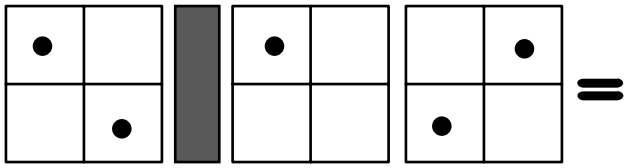
N21 *

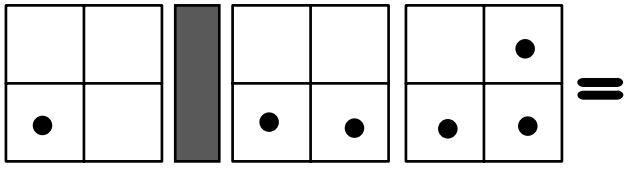
What number is on the Minicomputer?

 = _____

 = _____

 = _____

 = _____

 = _____

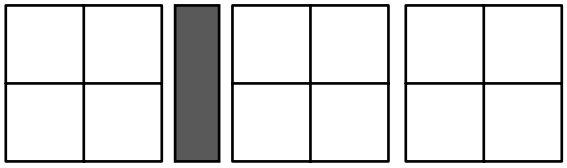
Name _____

N21 **

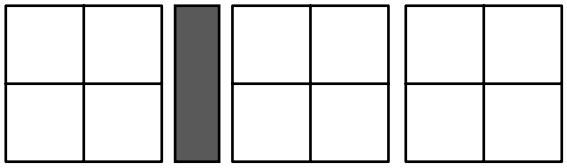
Put these numbers on the Minicomputer.

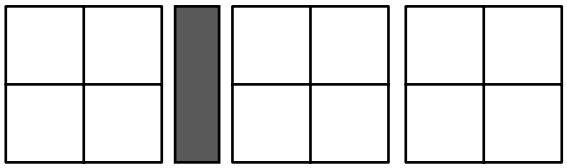
4.51 = 

9.78 = 

0.45 = 

3.09 = 

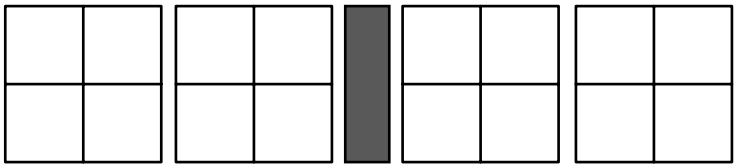
7.0 = 

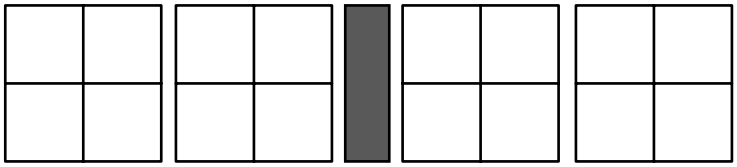
6.3 = 

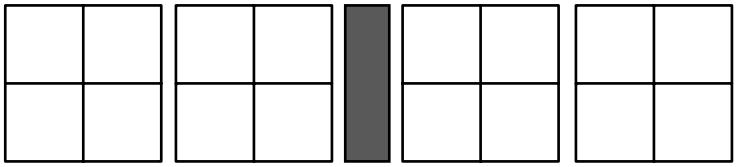
Name _____

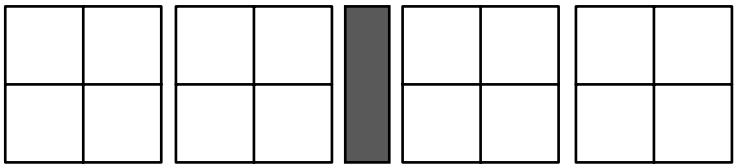
N21 ***

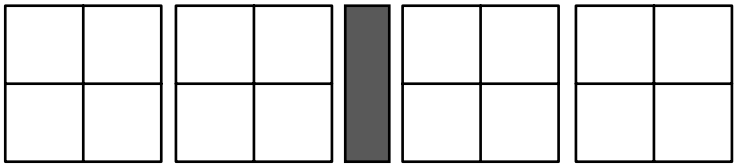
Put these numbers on the Mincomputer.

21.48 = 

7.62 = 

19.3 = 

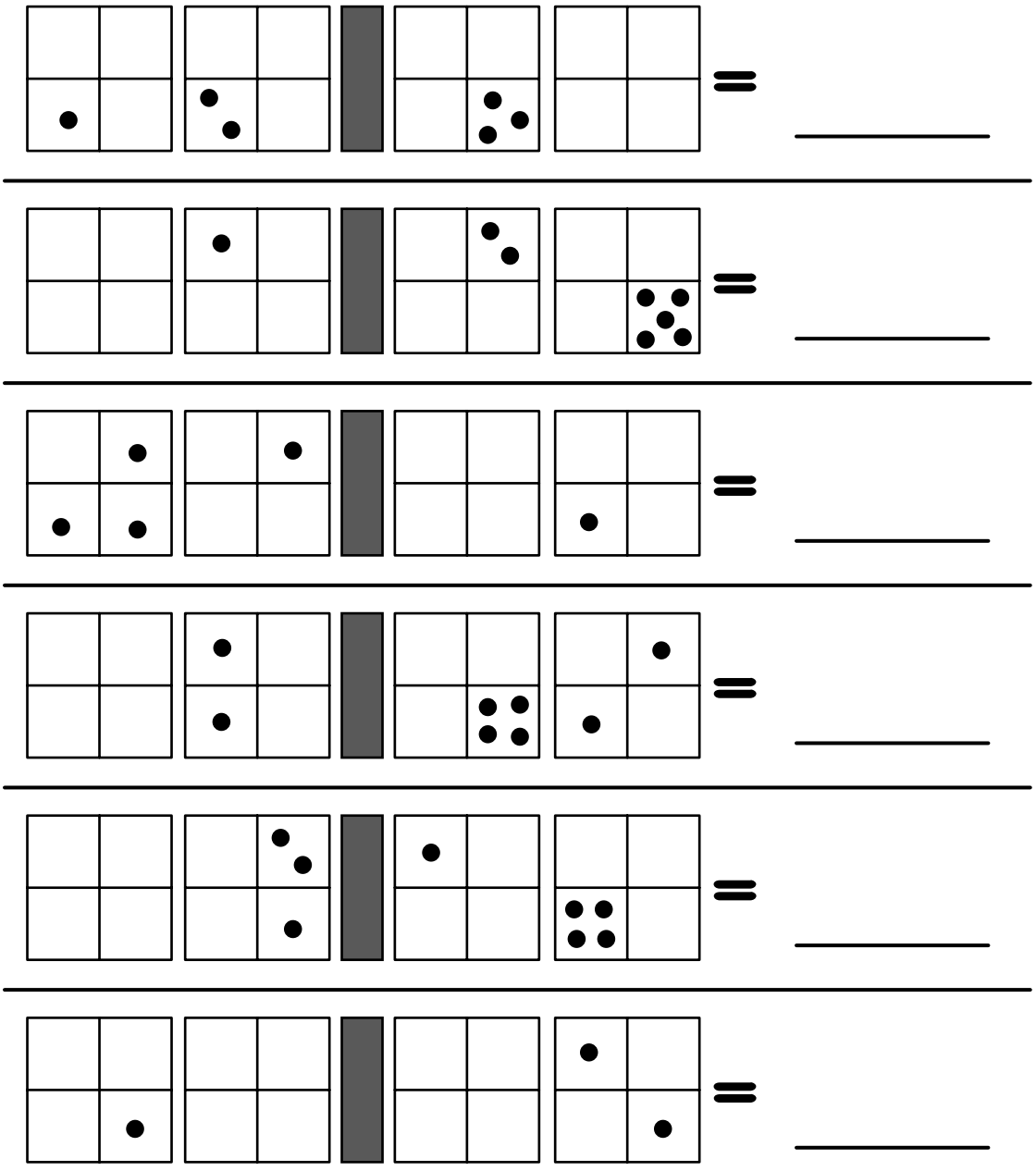
0.4 = 

50 = 

Name _____

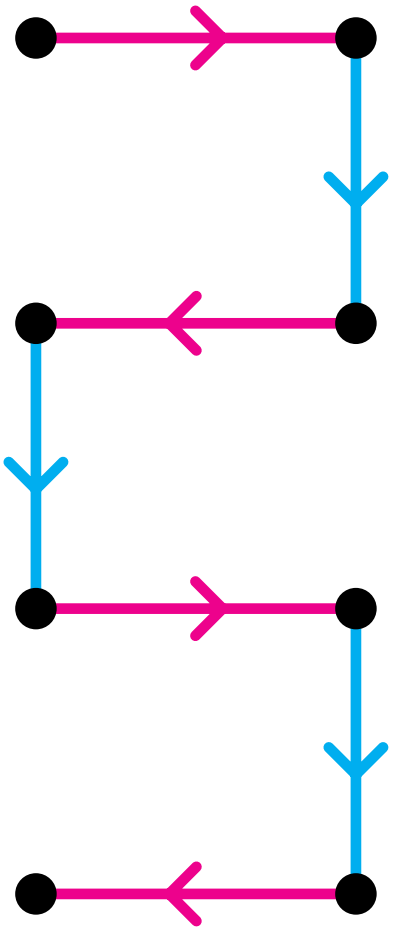
N21 ****

What number is on the Minicomputer?



Name _____

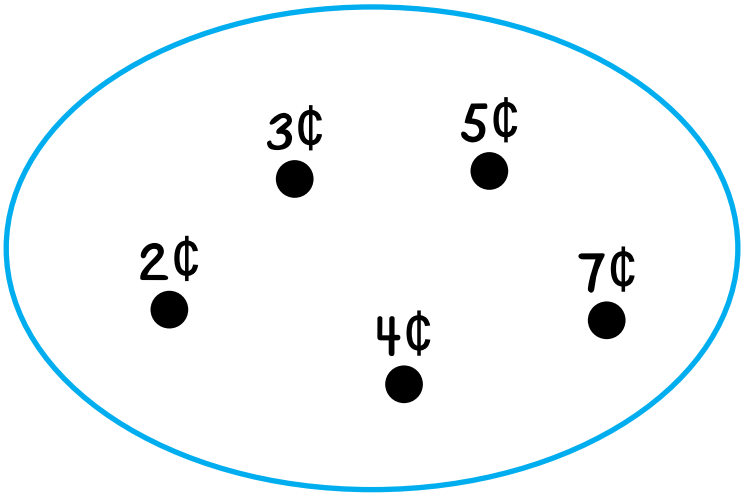
N25



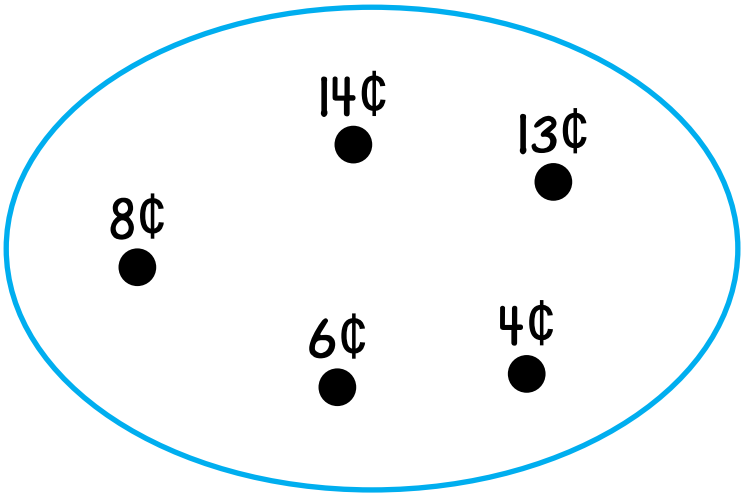
Name _____

N29 *

Janet buys two different candies and spends exactly 10¢.
Draw a red string around the prices of these two candies.



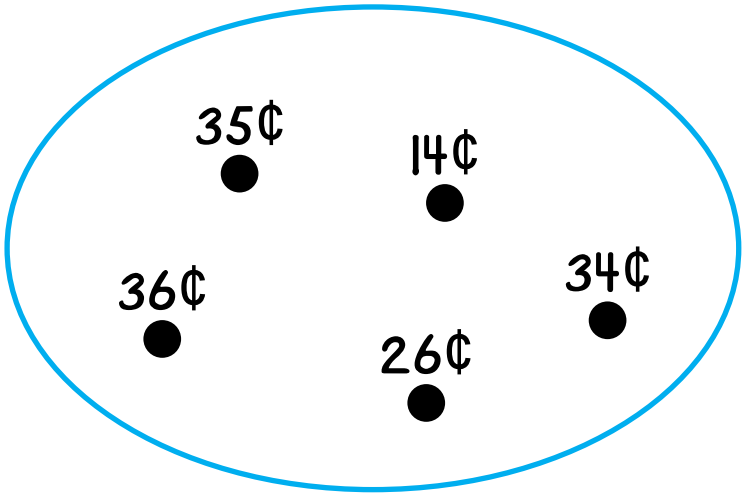
Mike buys two different balls and spends exactly 20¢.
Draw a red string around the prices of these two balls.



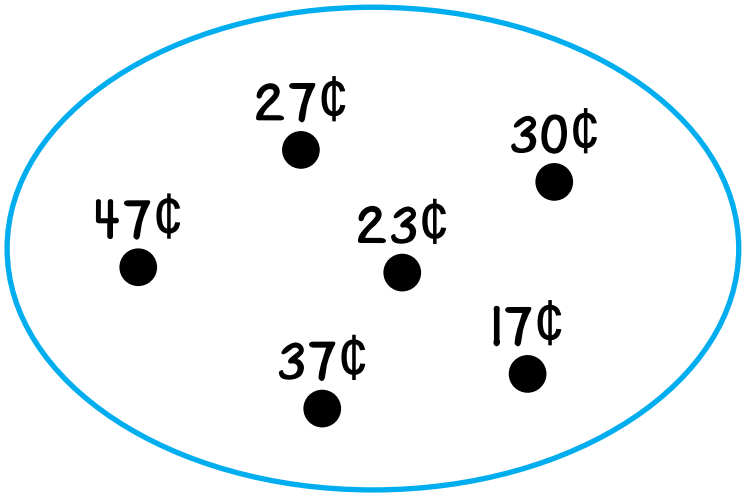
Name _____

N29 **

Kenny buys two different cards and spends exactly 50¢.
Draw a red string around the prices of these two cards.



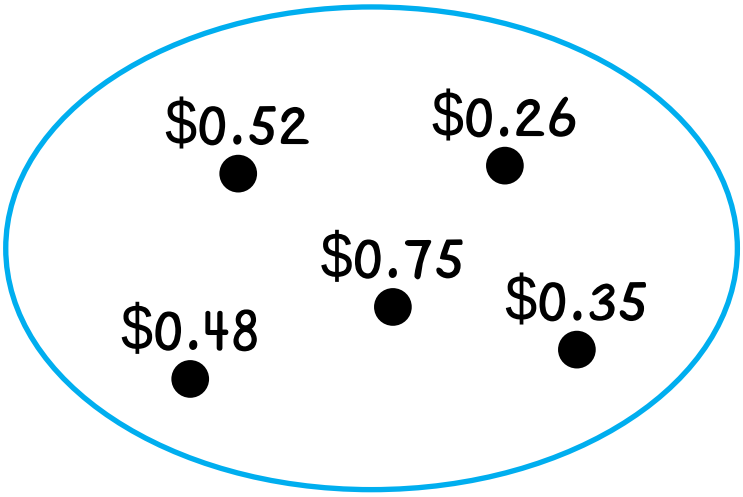
Lisa buys two different toys and spends exactly 60¢.
Draw a red string around the prices of these two toys.



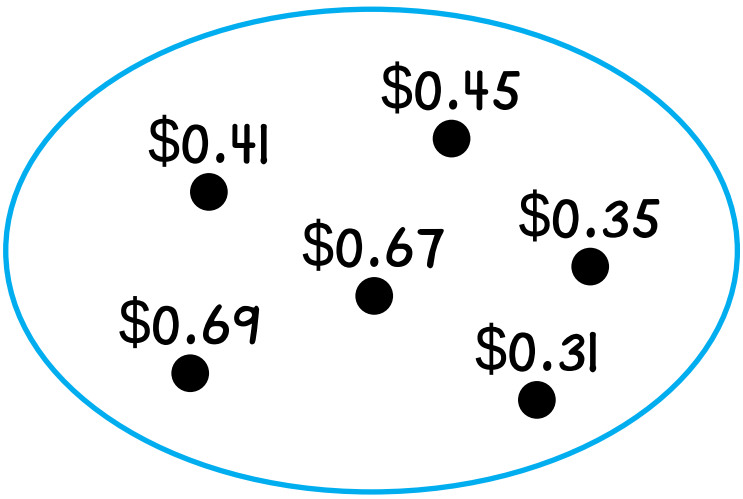
Name _____

N29 ***

Robin buys two different books and spends exactly $1.00.
Draw a red string around the prices of these two books.



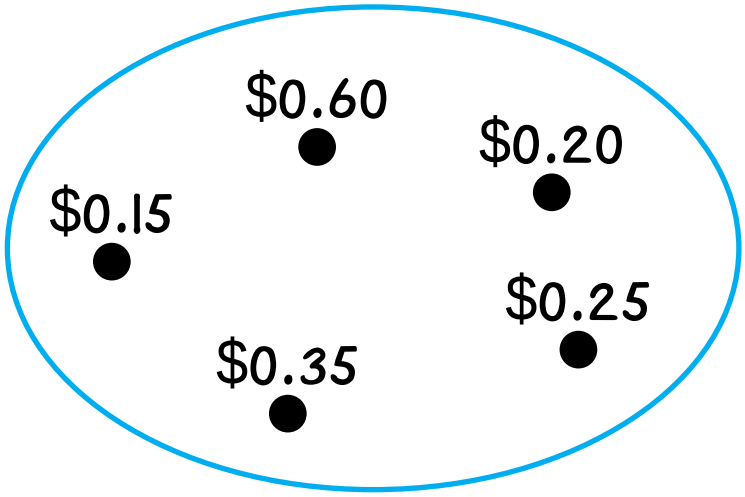
Roberto buys two different rings and spends exactly $1.00.
Draw a red string around the prices of these two rings.



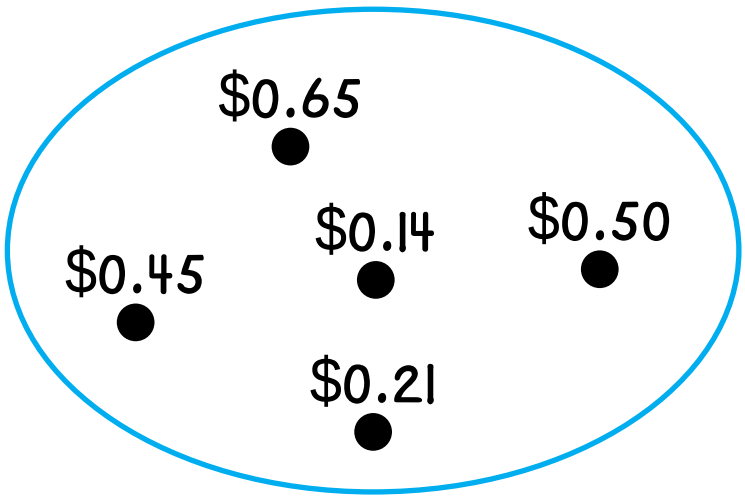
Name _____

N29 ****

Daniel buys three different pieces of fruit and spends exactly $1.00.
Draw a red string around the prices of these three pieces of fruit.



Sandra buys three different flowers and spends exactly $1.00.
Draw a red string around the prices of these three flowers.

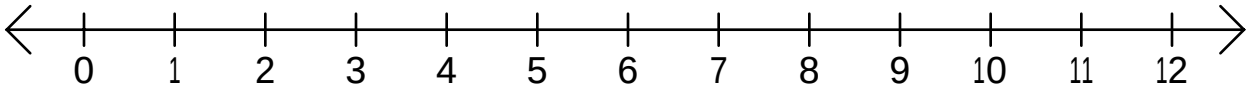


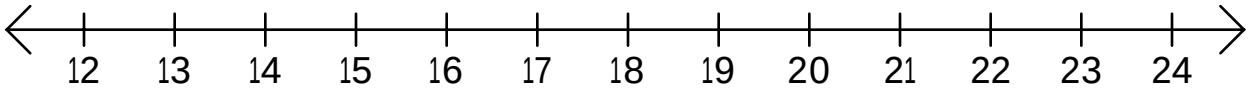
Name _____

N31 *

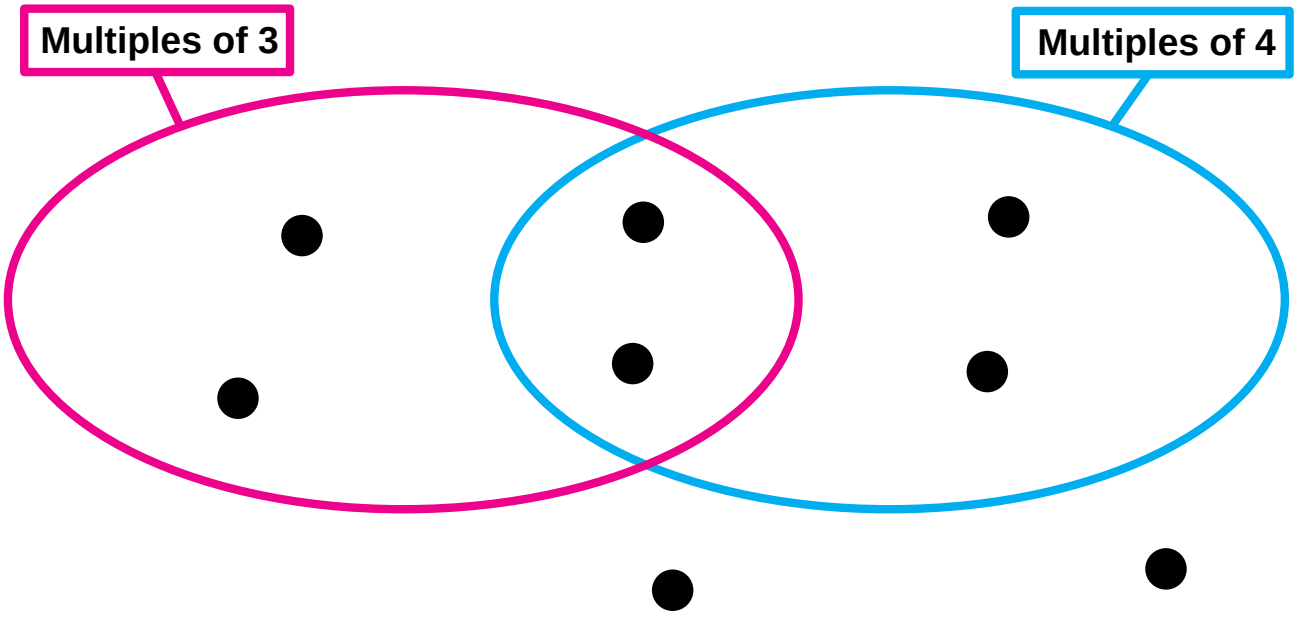
Start at 0. Draw a red arrow road to show +3 jumps and a blue arrow road to show +4 jumps.

+3 +4





Label the dots in this string picture. Many answers are possible.

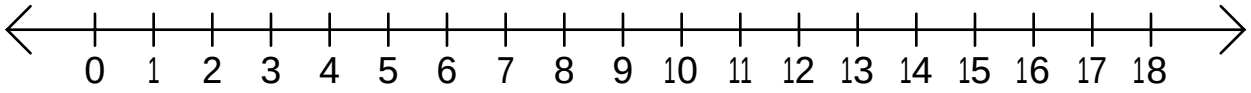


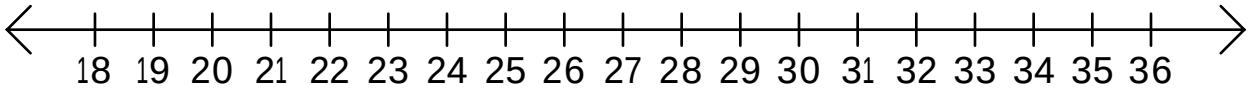
Name _____

N31 **

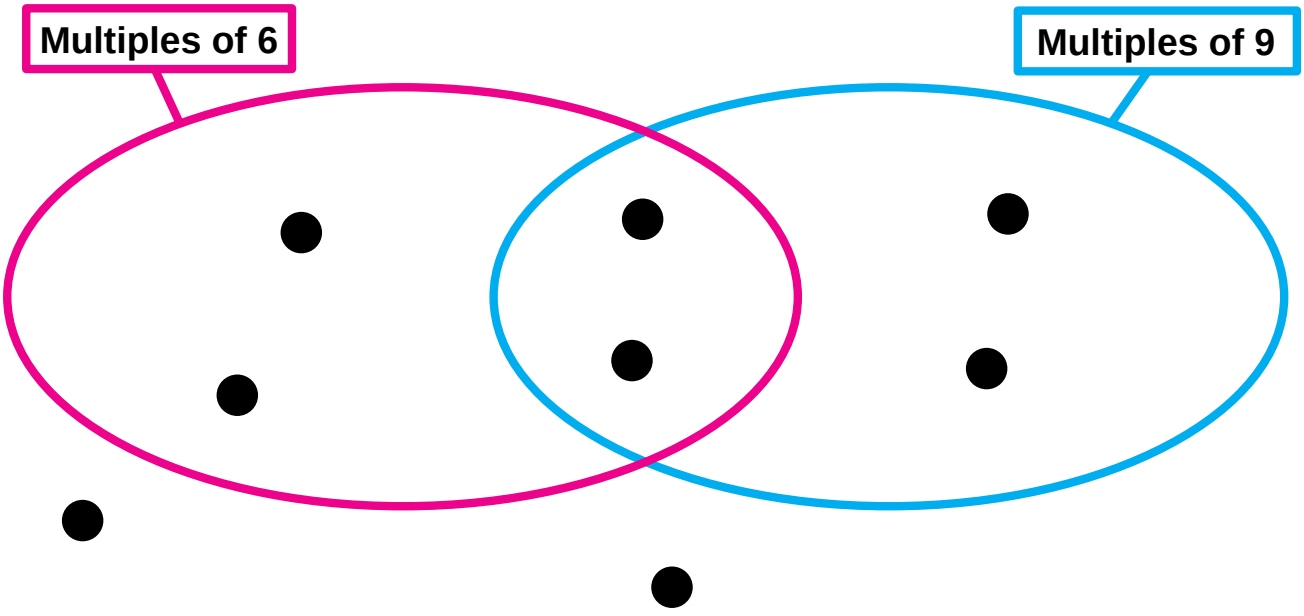
Start at 0. Draw a red arrow road to show +6 jumps and a blue arrow road to show +9 jumps.

+6 +9





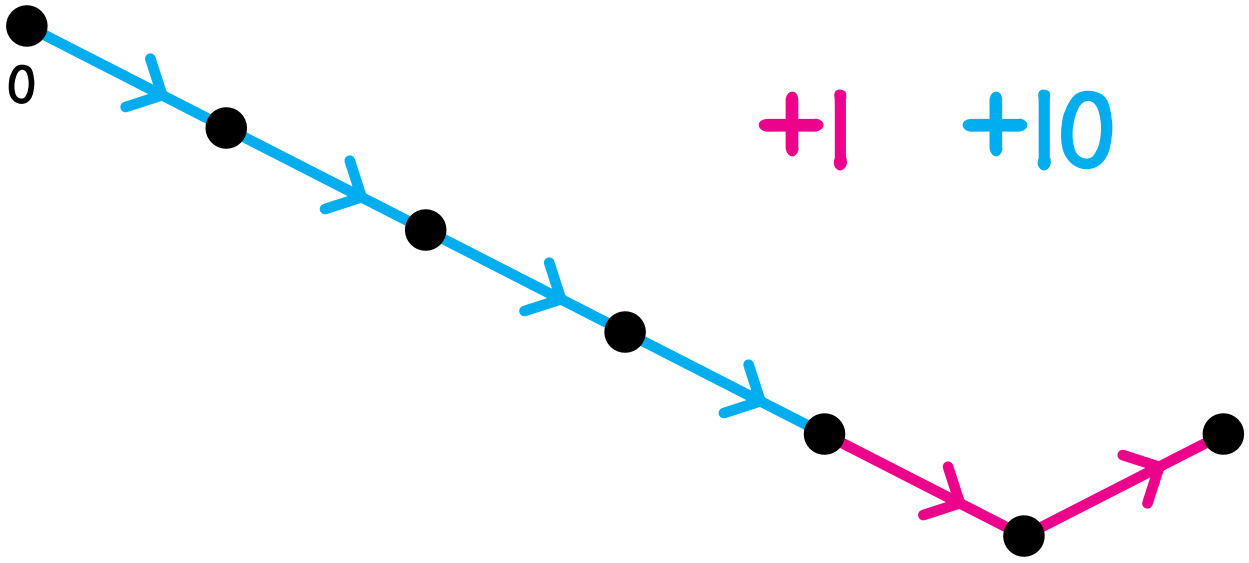
Label the dots in this string picture. Many answers are possible.



Name _____

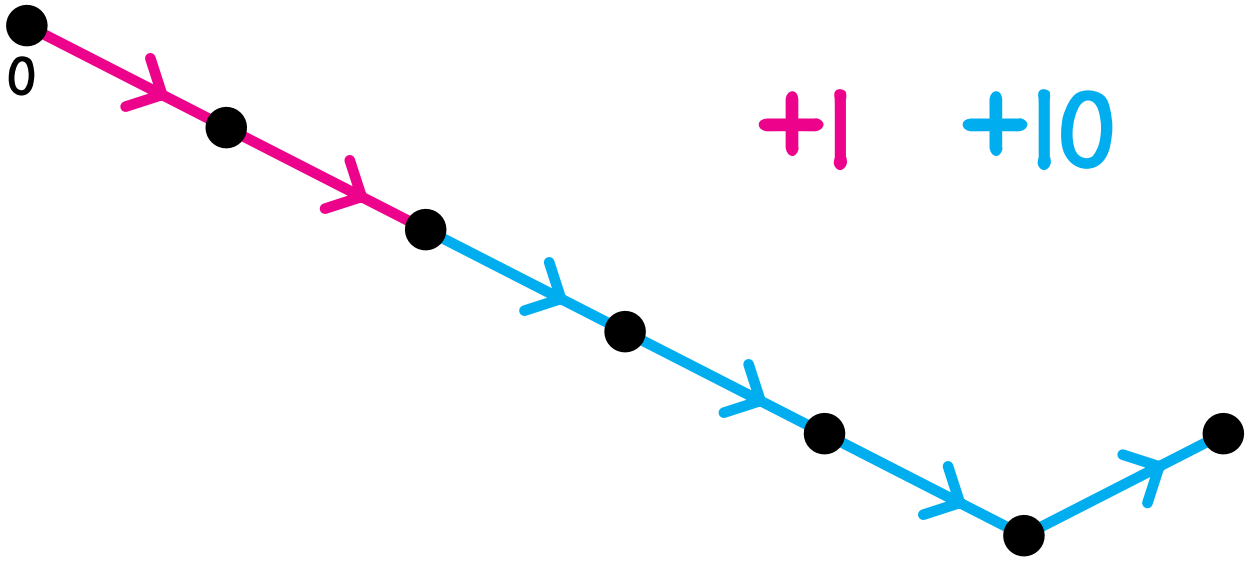
N32 *

Label the dots in both arrow roads.



How many +10 arrows are in this road? _____

How many +1 arrows are in this road? _____



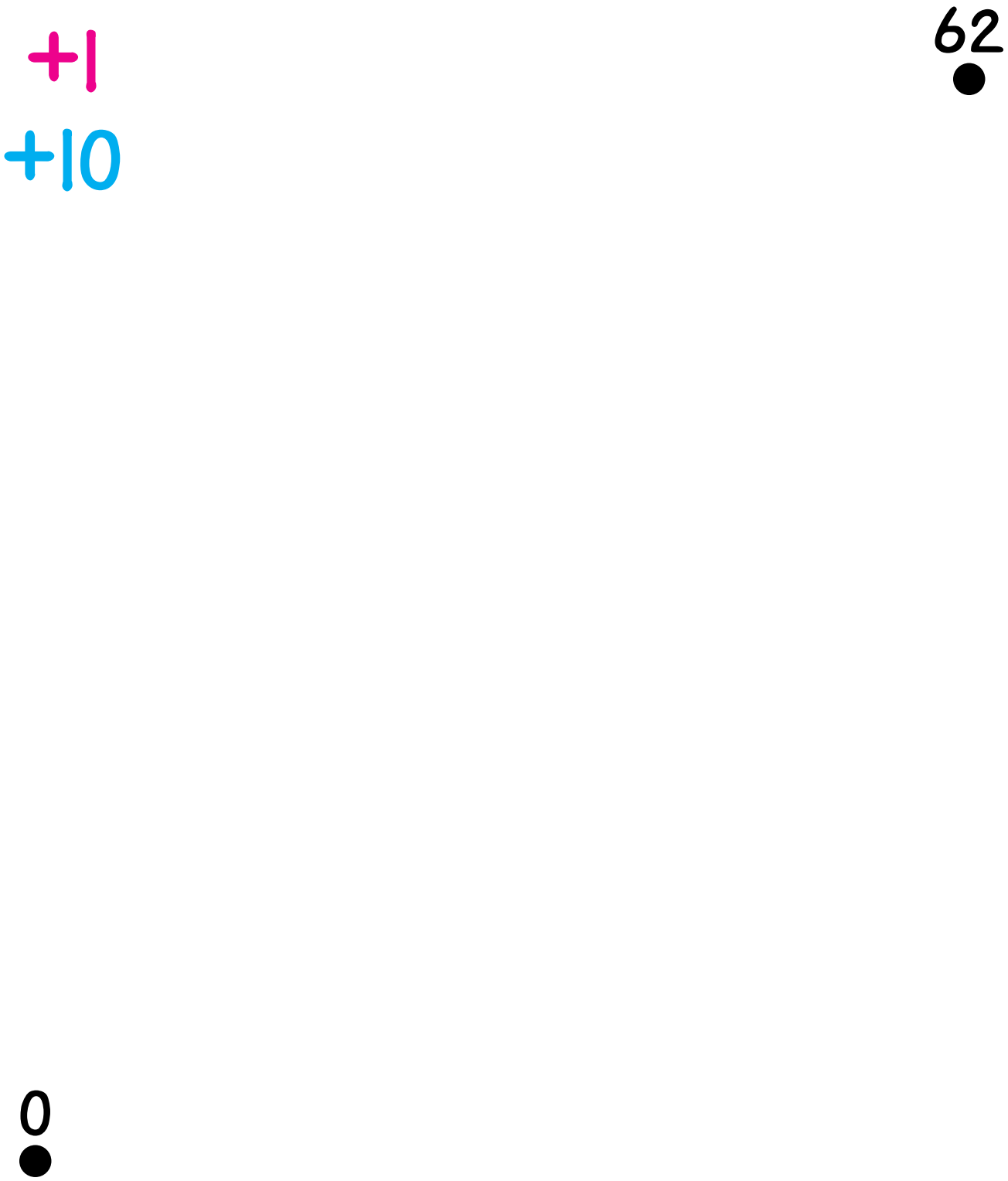
How many +10 arrows are in this road? _____

How many +1 arrows are in this road? _____

Name _____

N32 **

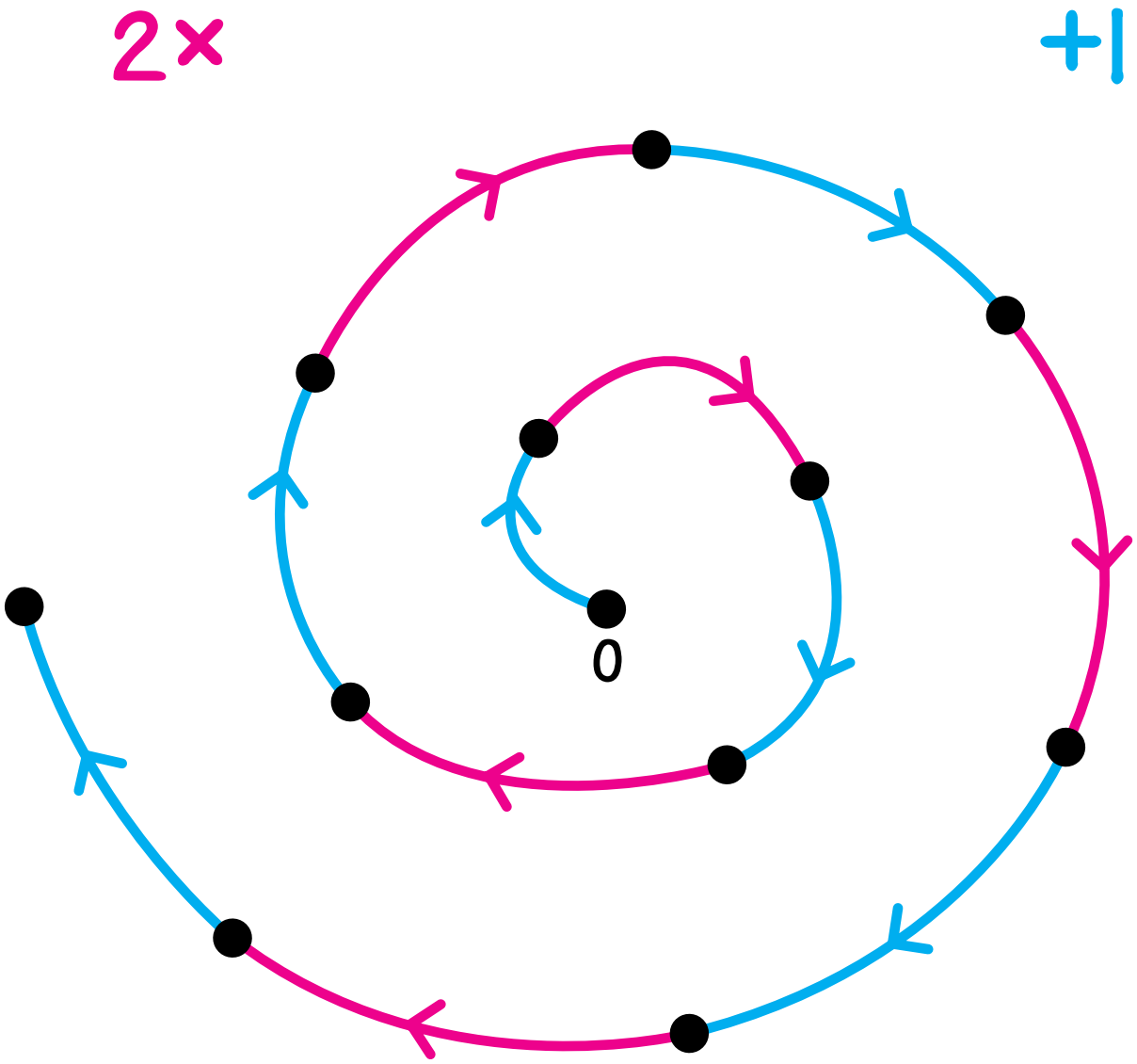
Build an arrow road from 0 to 62 using +1 and +10 arrows.



Name _____

N34 *

Label the dots.



Name _____

N34 **

Build an arrow road from 1 to 19 using 2x and +1 arrows.

2×

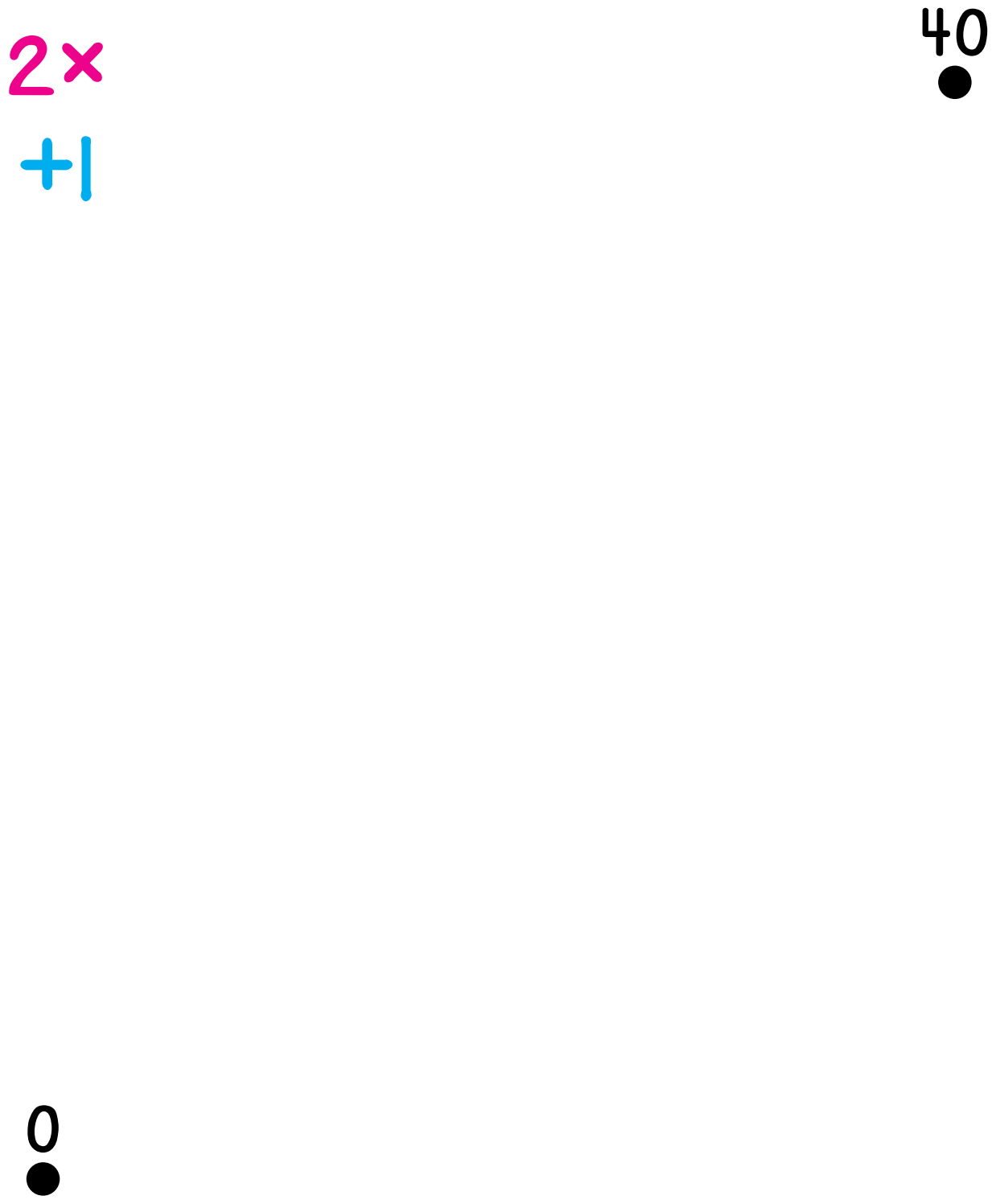
+1

19

Name _____

N34 ***

Build an arrow road from 0 to 40 using 2x and +1 arrows.



Name _____

N34 ****

Build an arrow road from 0 to 100 using 2x and +2 arrows.

2×

+2

Name _____

N36 *

Complete.

$2 \times 10 =$ _____	$2 \times 20 =$ _____
$2 \times 2 =$ _____	$2 \times 1 =$ _____
$2 \times 12 =$ _____	$2 \times 21 =$ _____
$2 \times 20 =$ _____	$2 \times 10 =$ _____
$2 \times 4 =$ _____	$2 \times 3 =$ _____
$2 \times 24 =$ _____	$2 \times 13 =$ _____

Name _____

N36 **

Complete.

$2 \times 20 =$ _____	$2 \times 10 =$ _____
$2 \times 5 =$ _____	$2 \times 7 =$ _____
$2 \times 25 =$ _____	$2 \times 17 =$ _____
$2 \times 30 =$ _____	$2 \times 100 =$ _____
$2 \times 4 =$ _____	$2 \times 13 =$ _____
$2 \times 34 =$ _____	$2 \times 113 =$ _____

Name _____

N36 ***

Complete.

2 × 4 = _____	2 × 5 = _____
2 × 14 = _____	2 × 15 = _____
2 × 24 = _____	2 × 25 = _____
2 × 34 = _____	2 × 35 = _____
2 × 44 = _____	2 × 45 = _____

2 × 6 = _____	2 × 23 = _____
2 × 16 = _____	2 × 123 = _____
2 × 26 = _____	2 × 223 = _____
2 × 36 = _____	2 × 423 = _____
2 × 46 = _____	2 × 523 = _____

Name _____

N36 ****

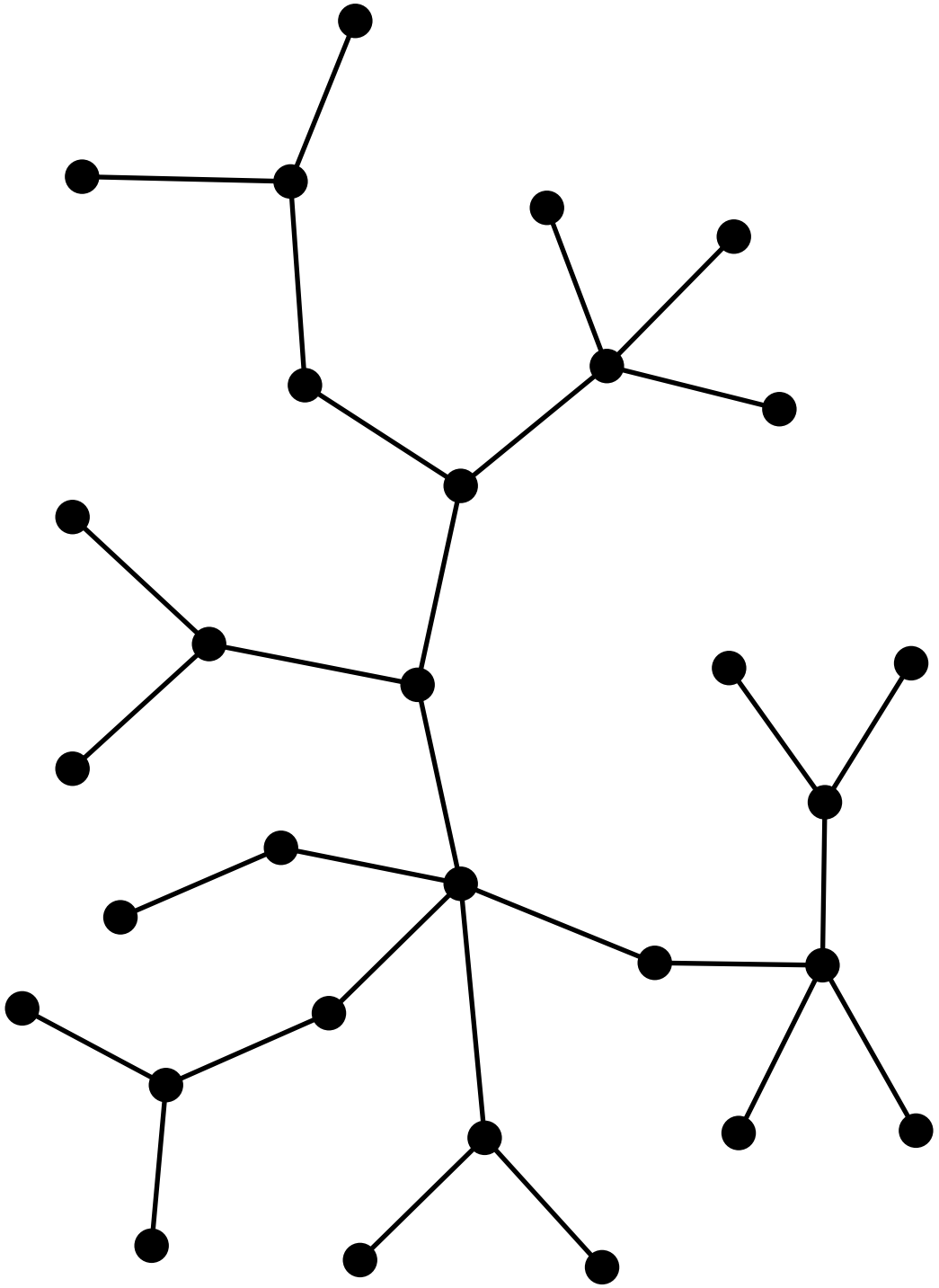
Complete.

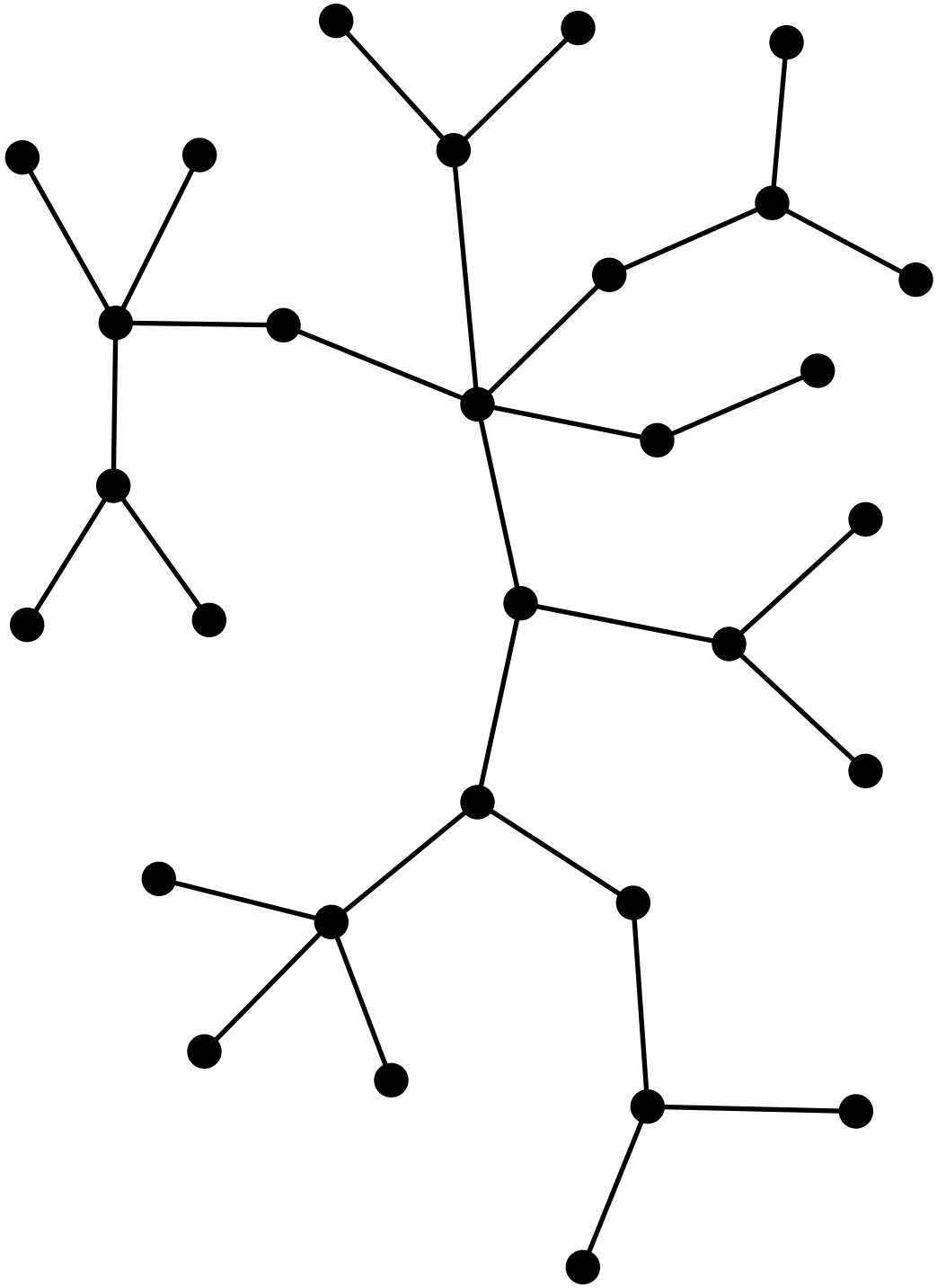
2 × 18 = _____	2 × 35 = _____
2 × 48 = _____	2 × 435 = _____
2 × 148 = _____	2 × 1,035 = _____
2 × 248 = _____	2 × 1,235 = _____
2 × 548 = _____	2 × 4,035 = _____
2 × 1,048 = _____	2 × 1,435 = _____

2 × 70 = _____	3 × 54 = _____
2 × 75 = _____	3 × 254 = _____
2 × 175 = _____	3 × 354 = _____
2 × 475 = _____	3 × 454 = _____
2 × 675 = _____	3 × 1,054 = _____
2 × 1,075 = _____	3 × 1,354 = _____

Name _____

L1



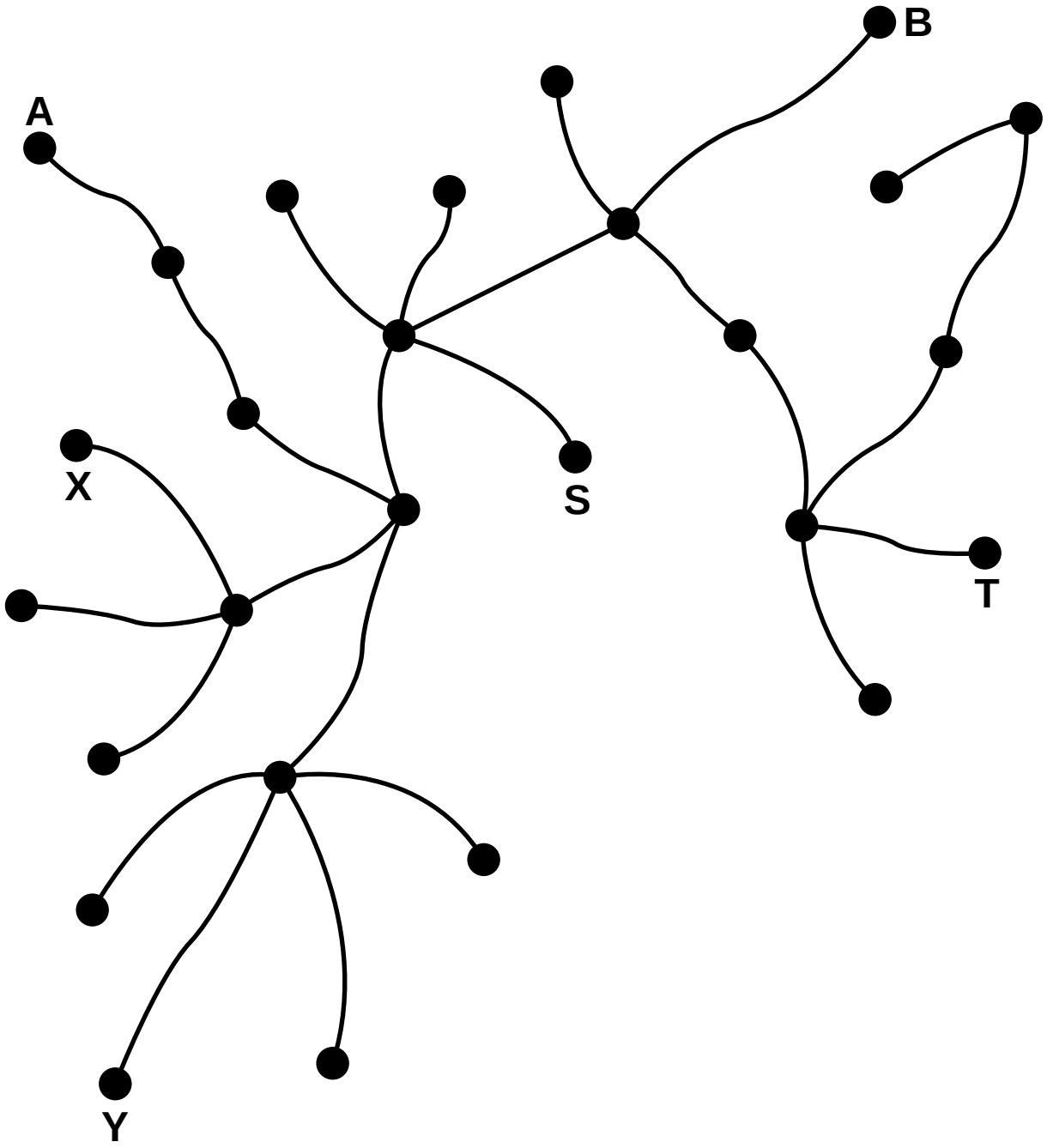


Name _____

L1 *

Use any colors you wish to draw these paths.

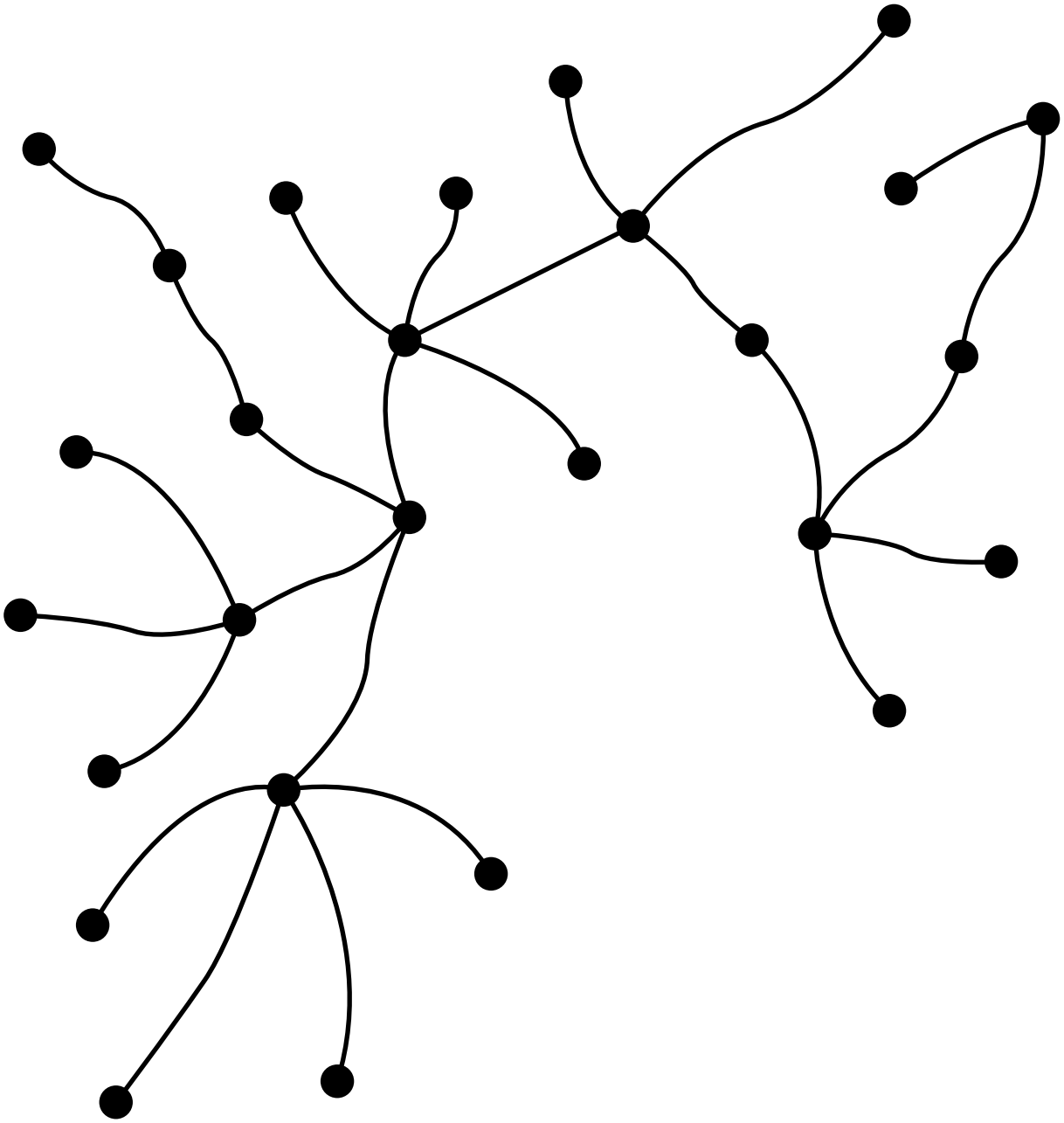
Draw a path between A and B. What is the path distance between A and B? ___
Draw a path between X and Y. What is the path distance between X and Y? ___
Draw a path between S and T. What is the path distance between S and T? ___



Name _____

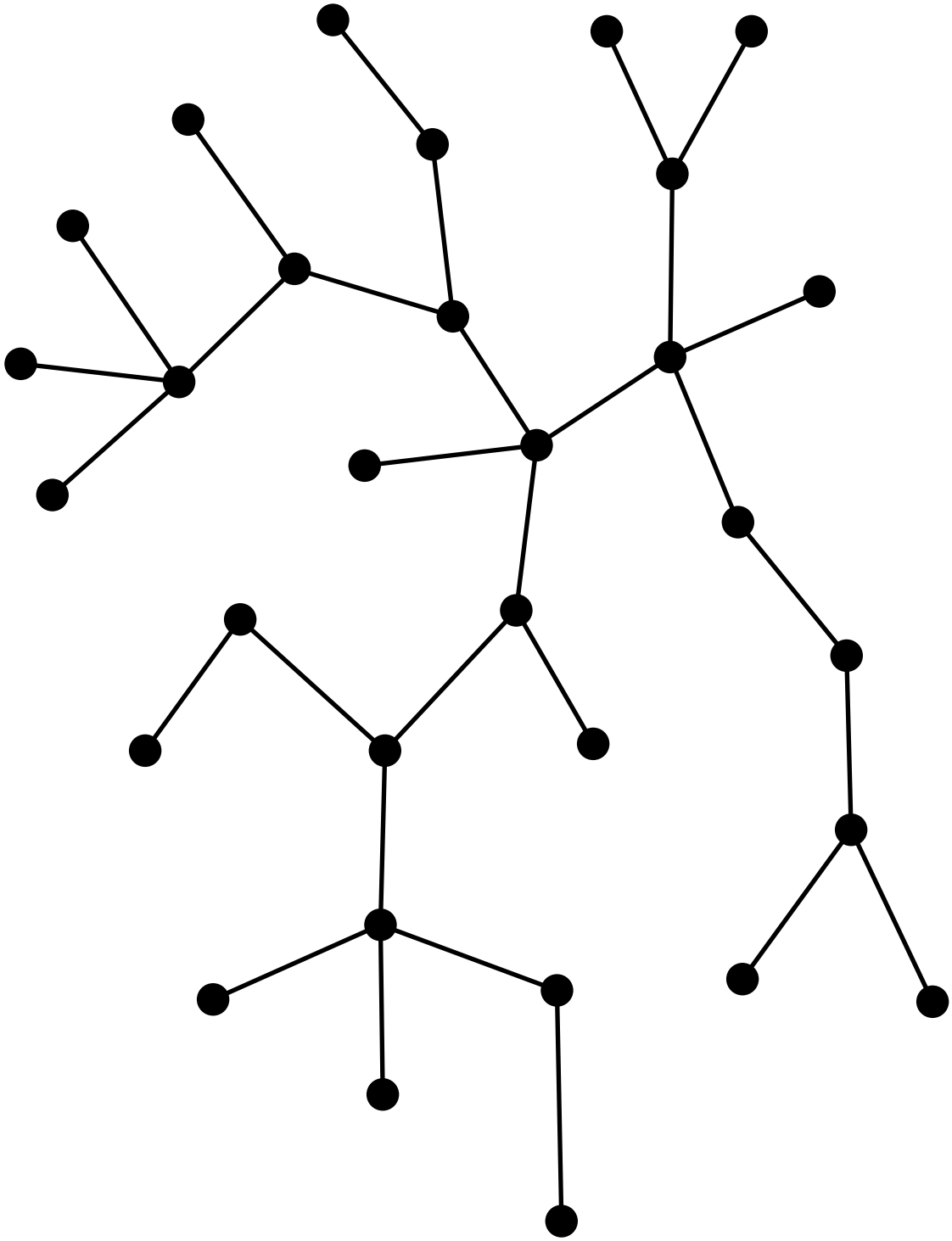
L1 **

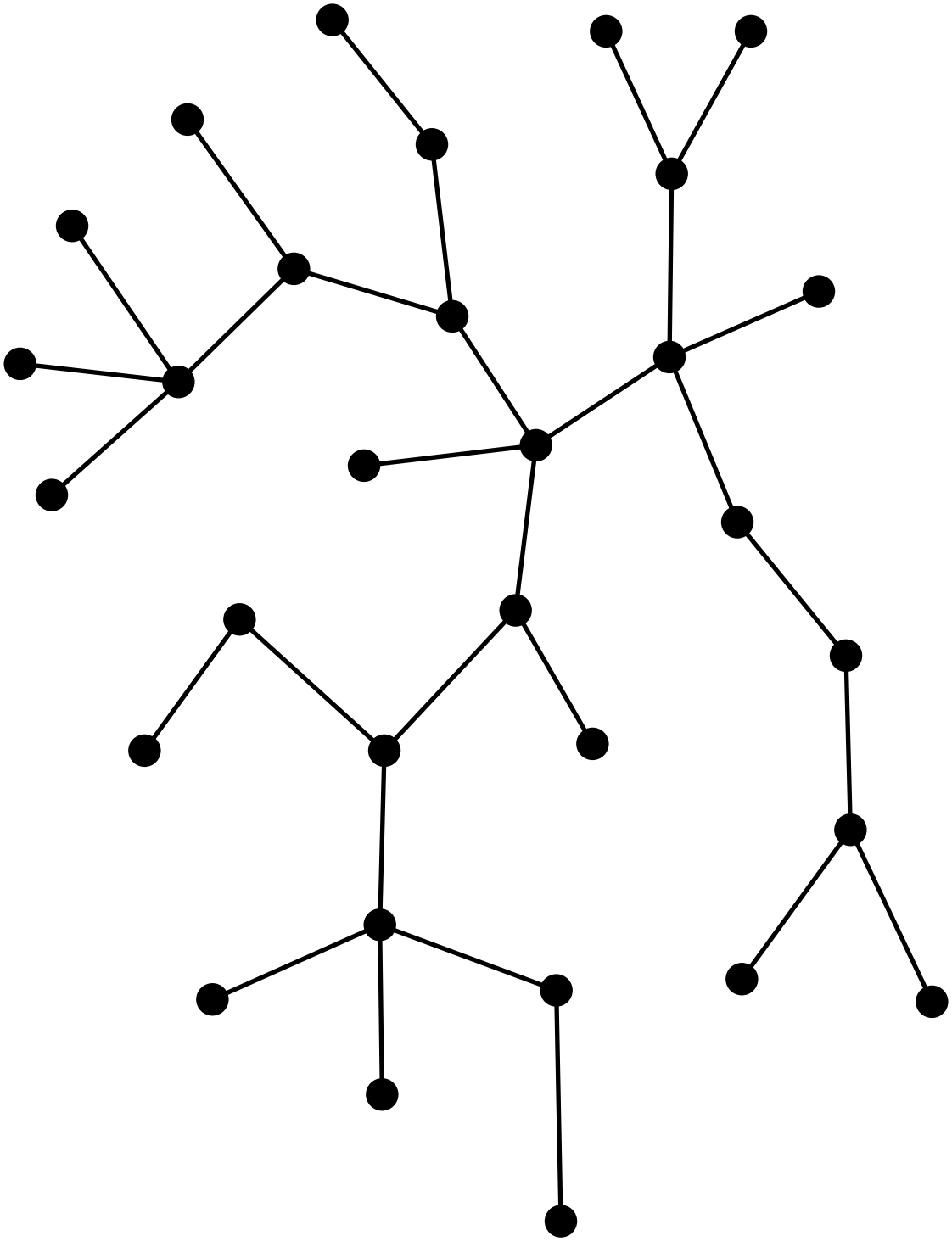
Find the longest possible path distance between two dots in this tree. Draw a path to show the longest possible path distance. What is this distance? _____



Name _____

L9 (a)

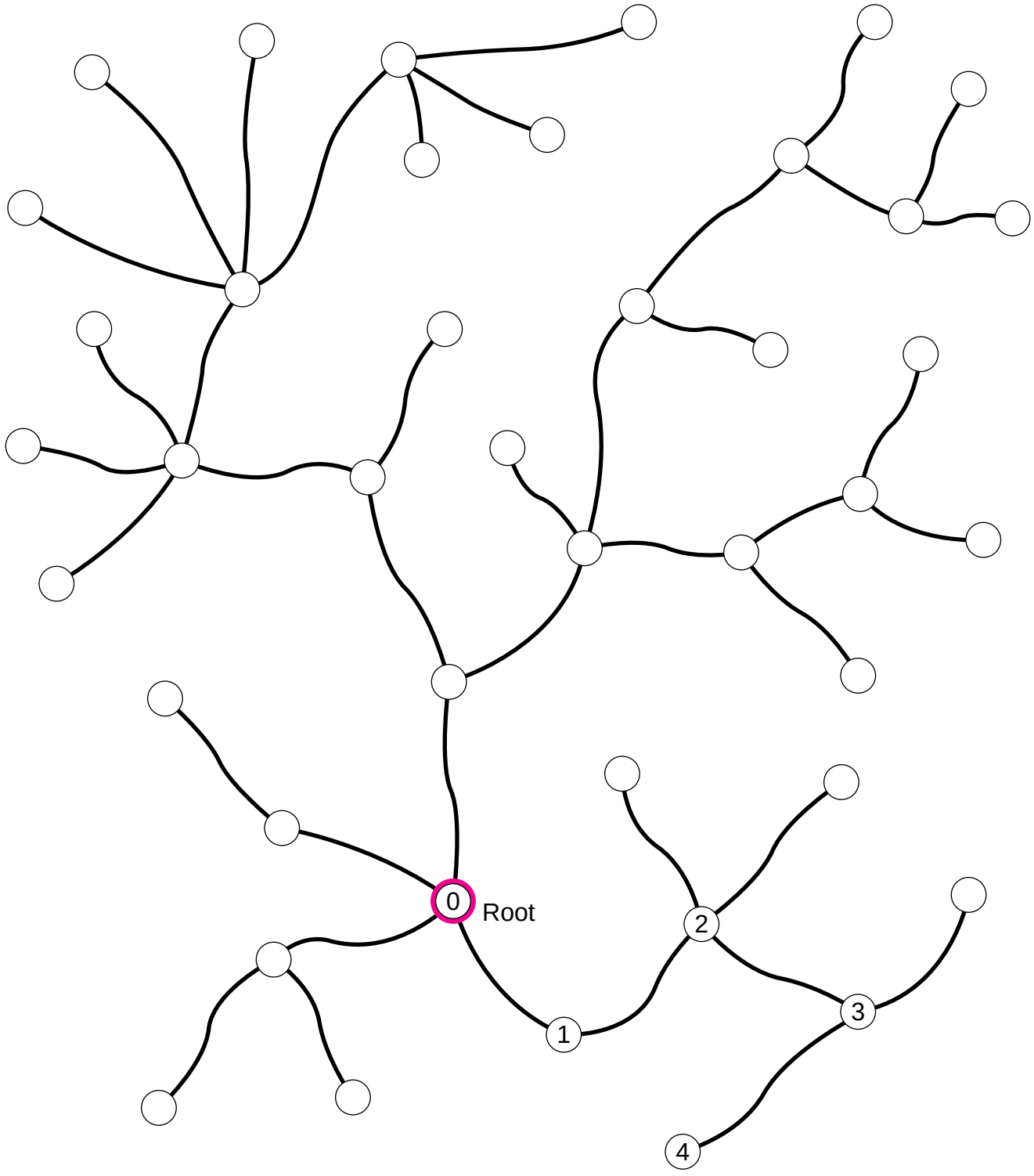




Name _____

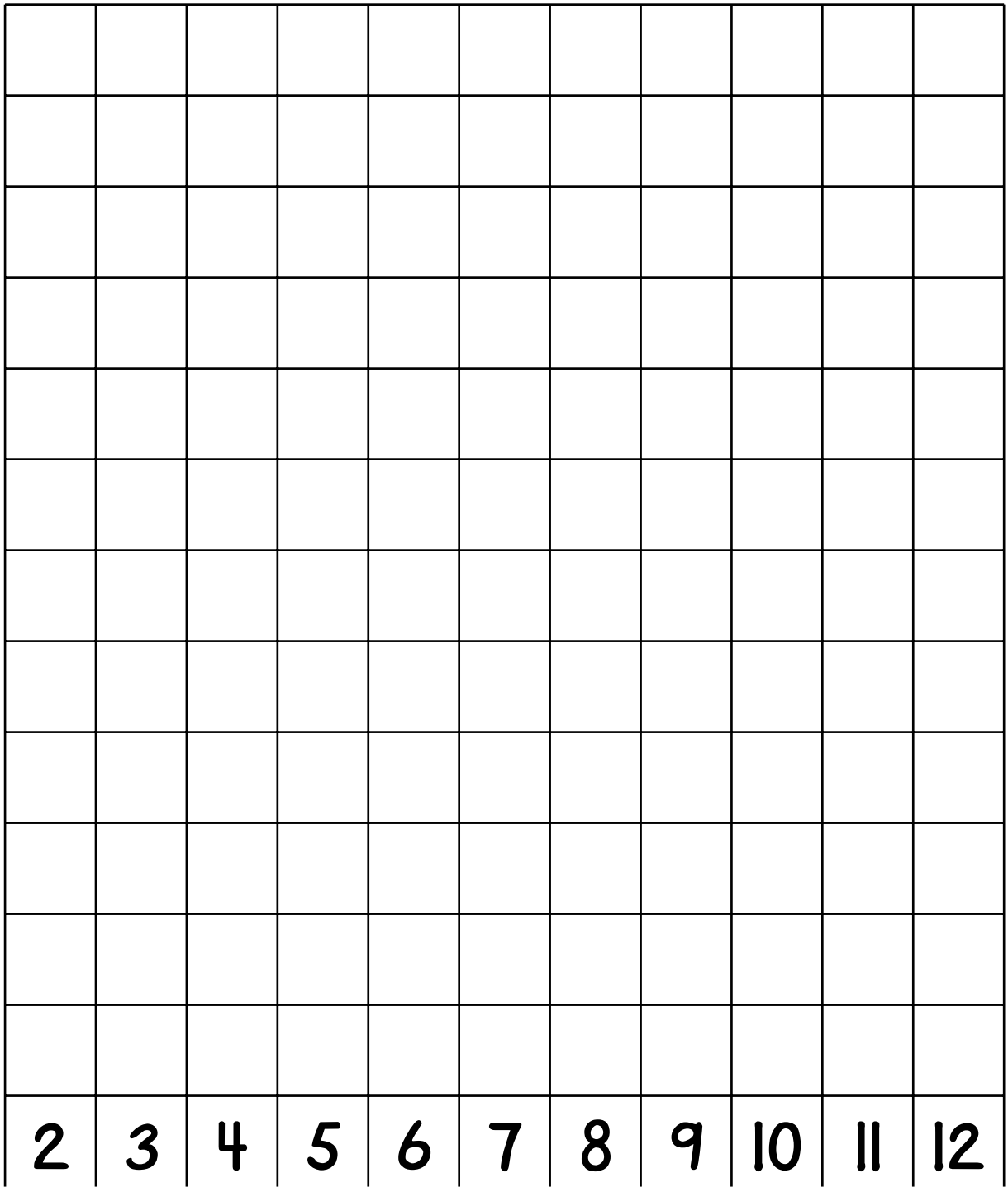
L9 (b)

Find the distance from the root (circled red) to each of the other dots in this tree. Write your answers in the circles. Some are done for you.



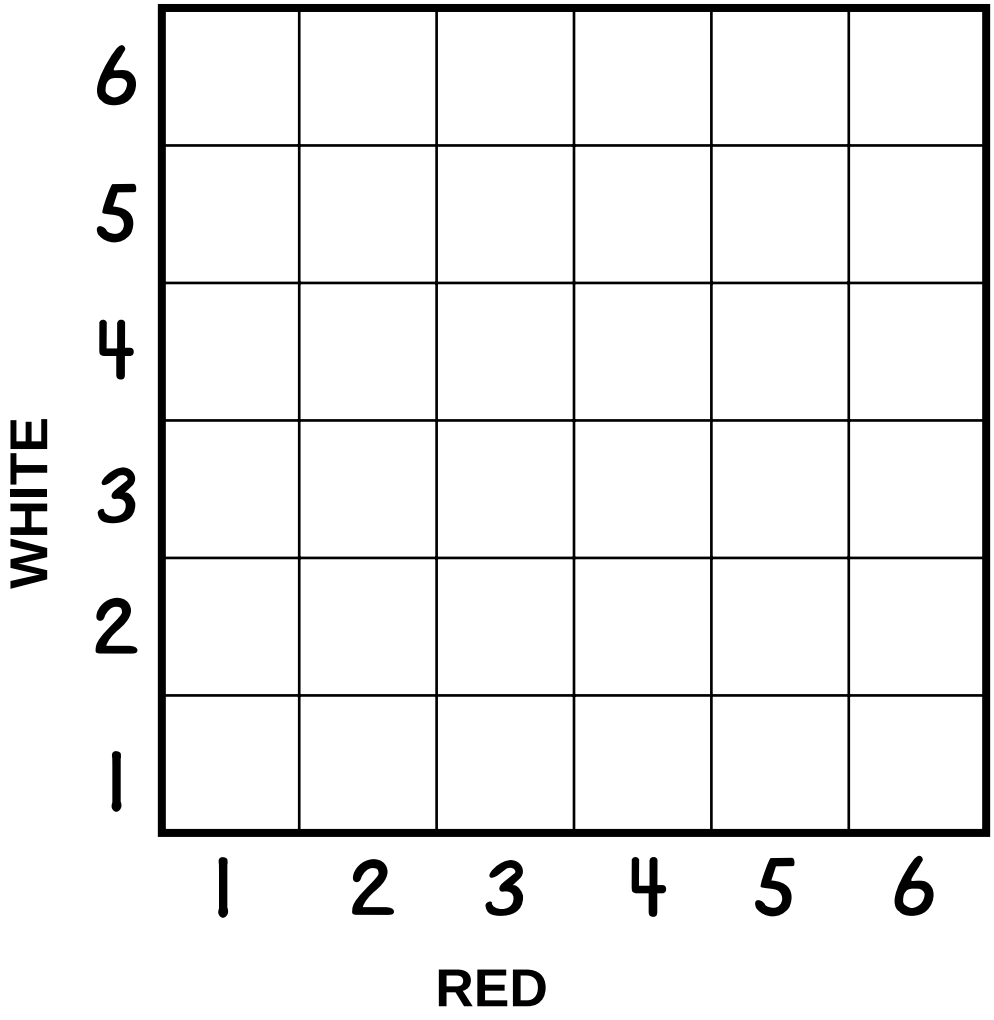
Name _____

L11 (a)



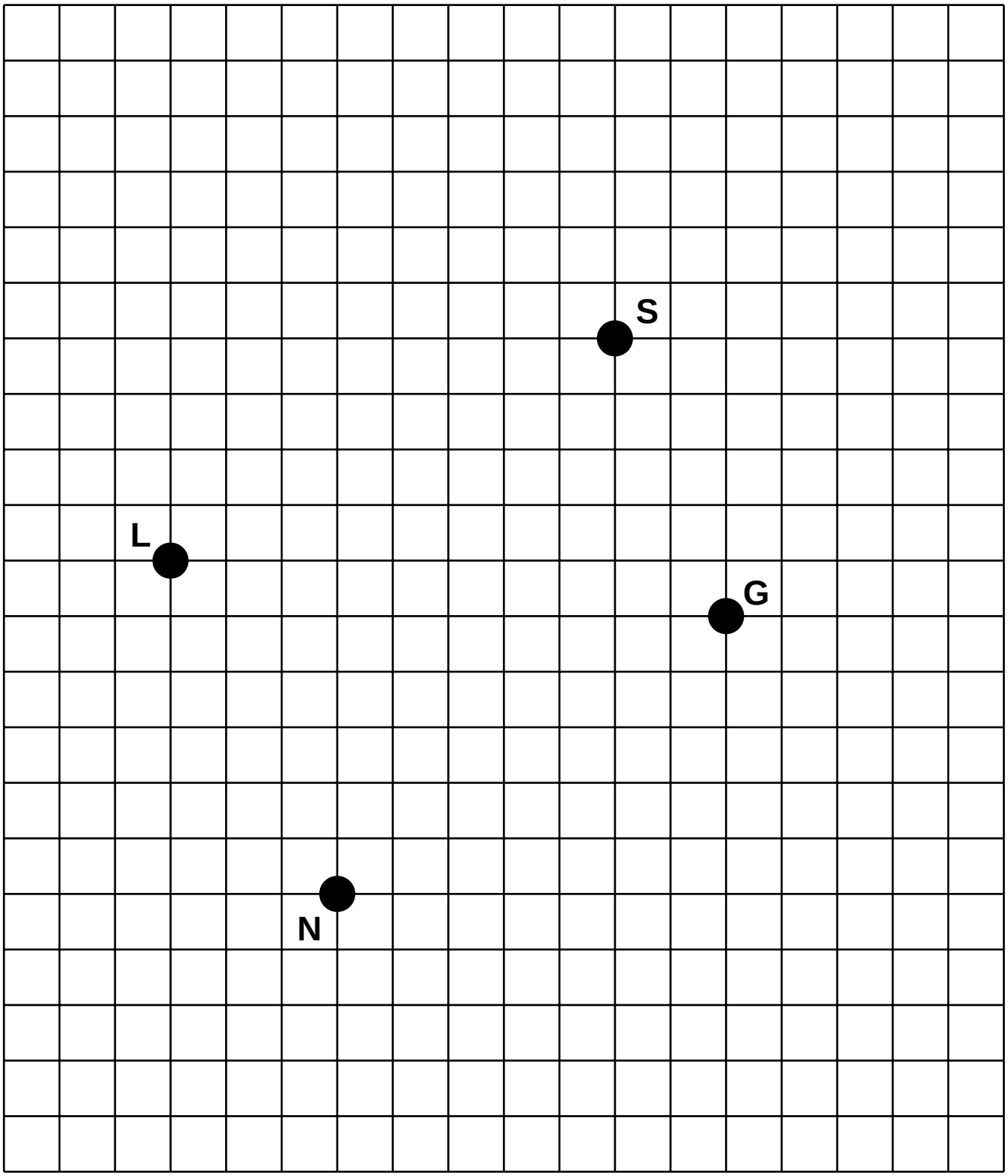
Name _____

L11 (b)



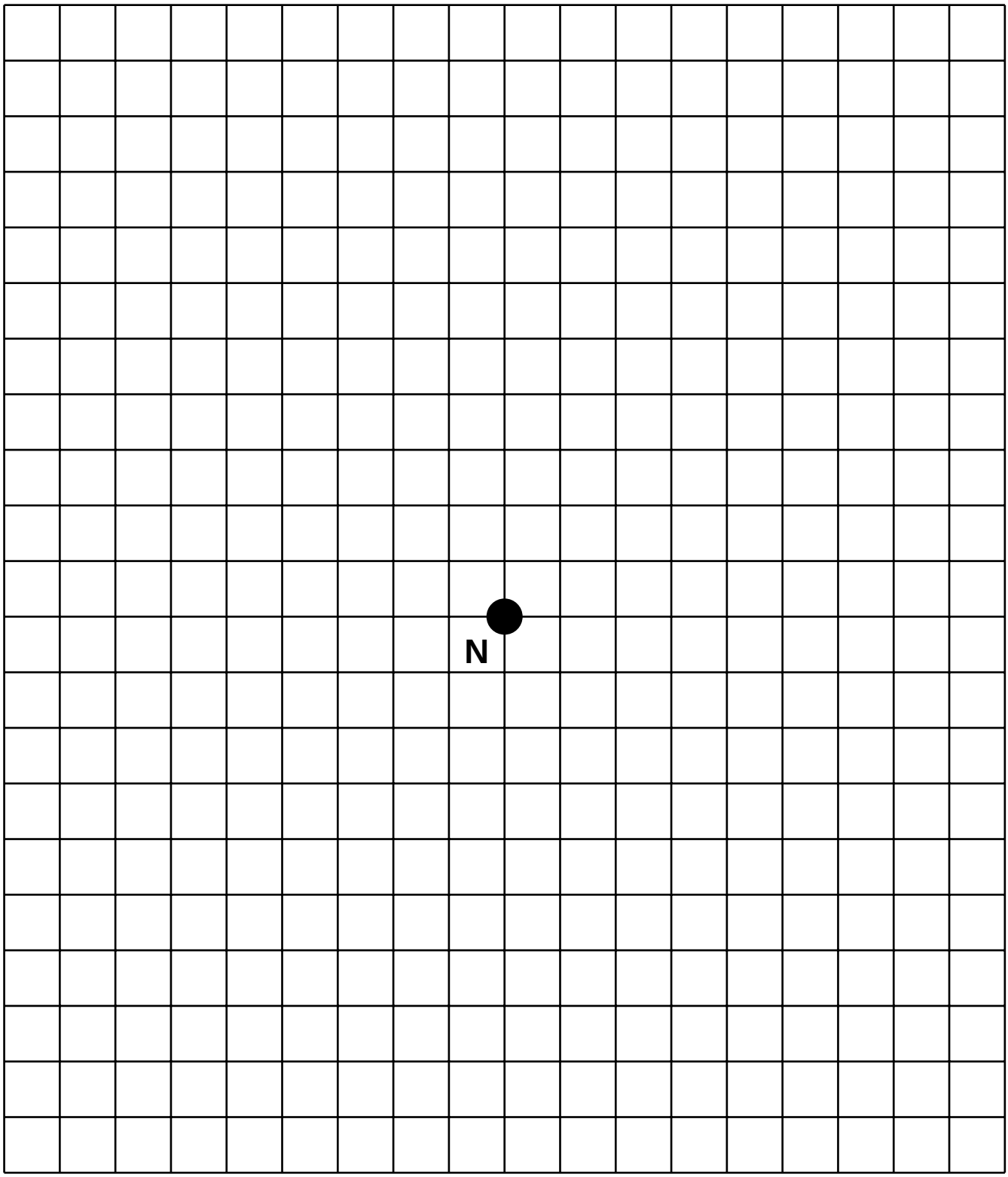
Name _____

G2 (a)



Name _____

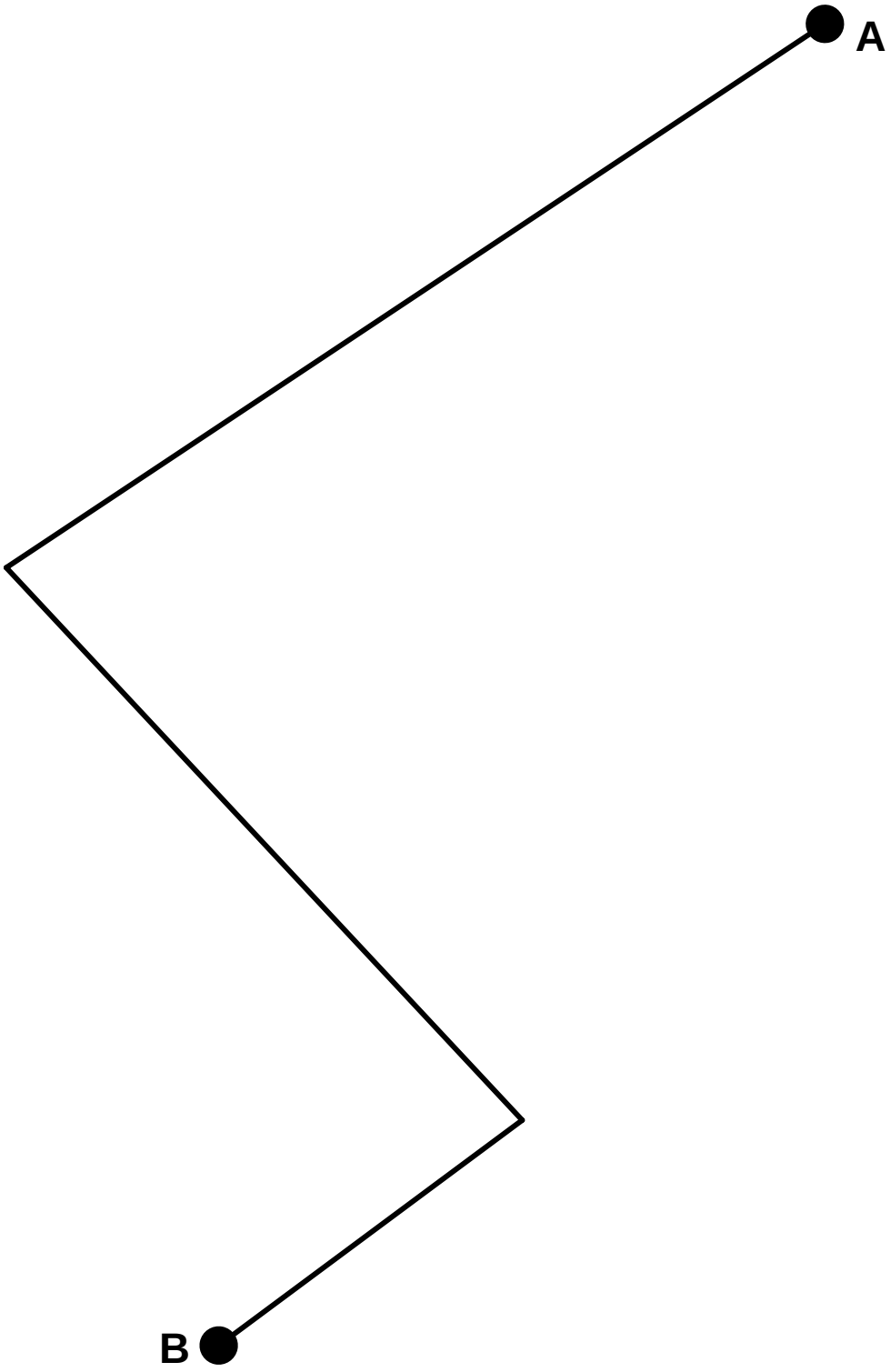
G2 (b)



Name _____

G4 *

How long is this zigzag path from A to B? _____ cm



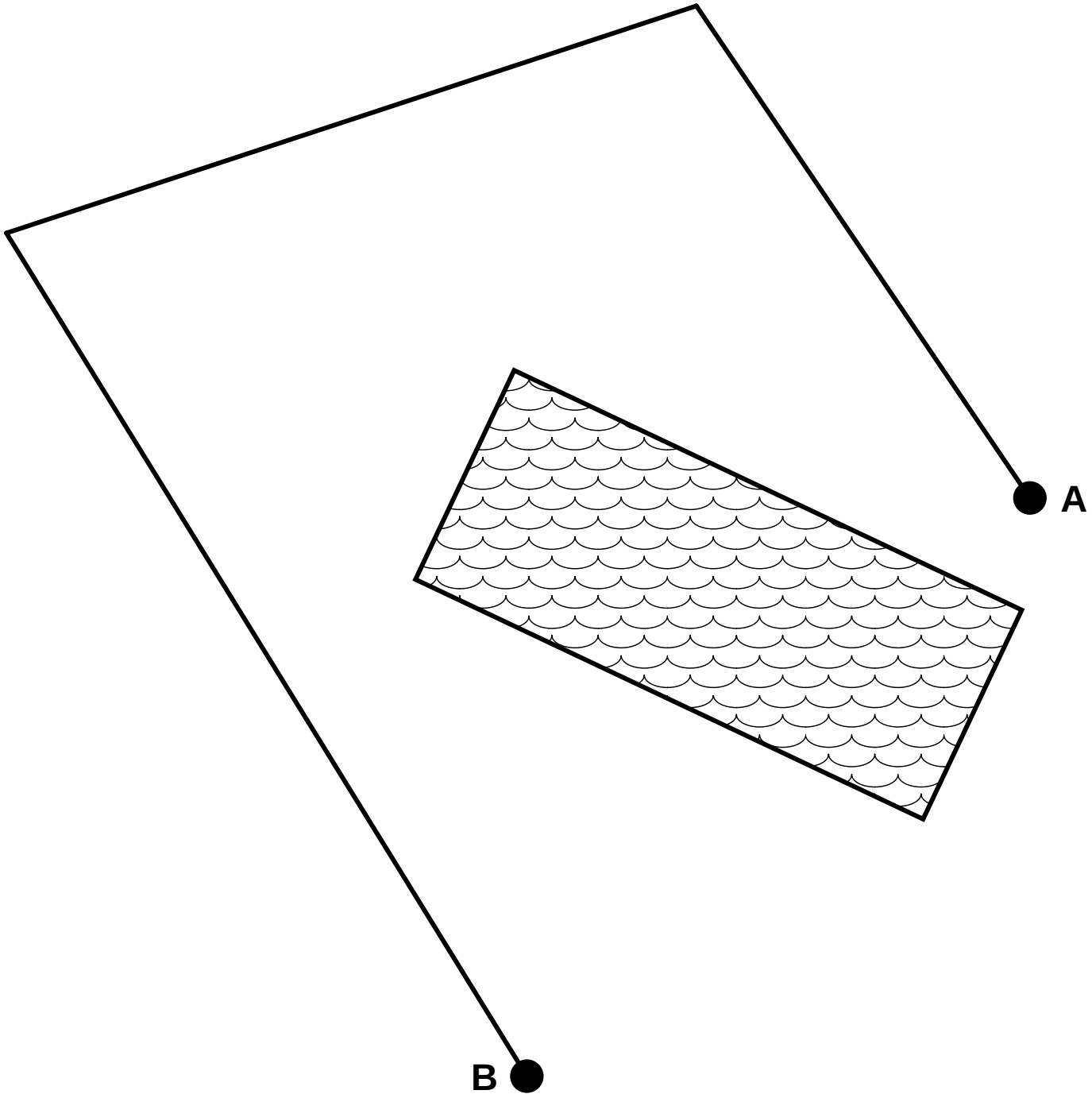
Try to find a shorter path from A to B. Draw it.

How long is your path? _____ cm

Name _____

G4 **

How long is this zigzag path from A to B? _____ cm



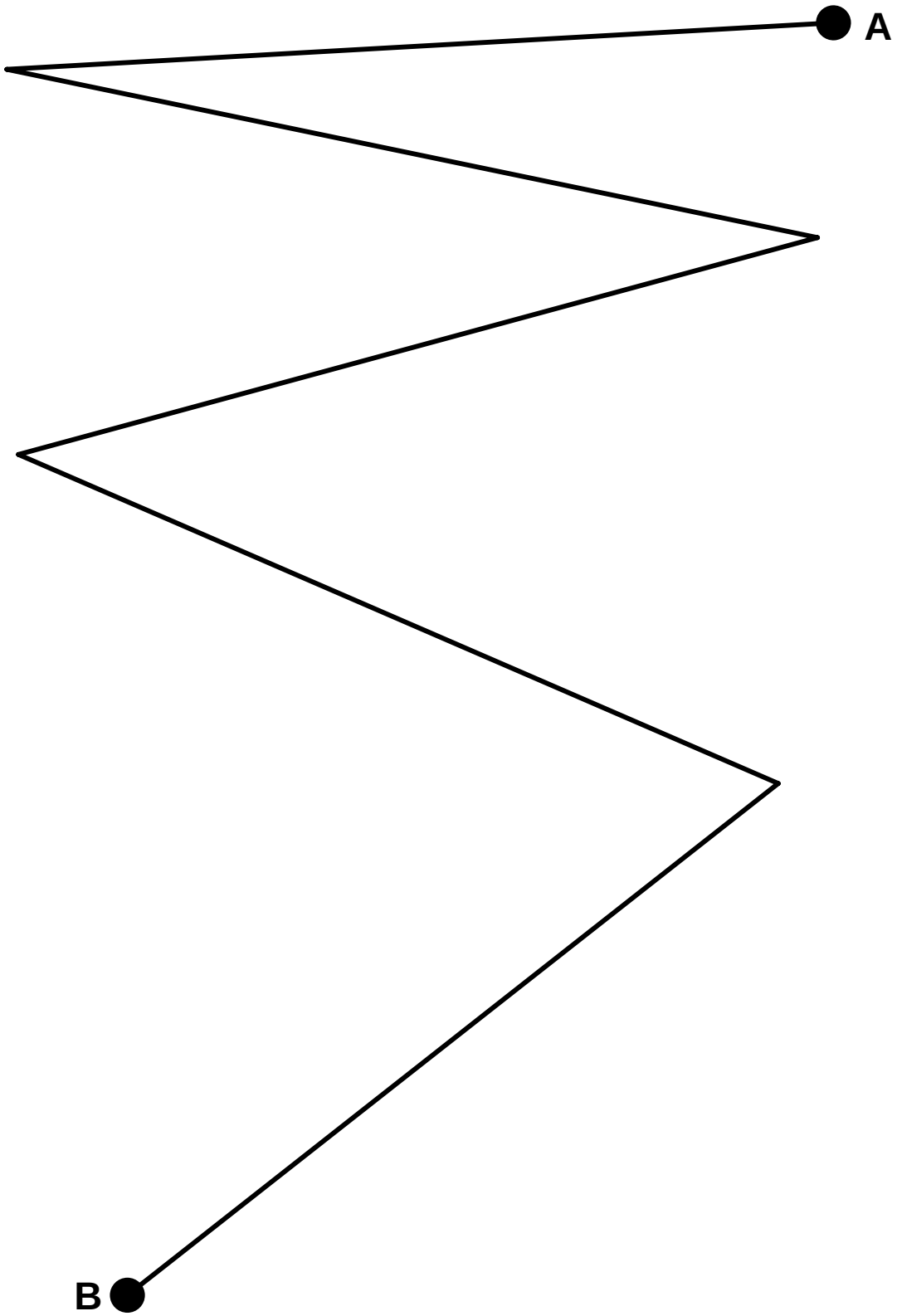
Try to find a shorter path from A to B. Draw it.

How long is your path? _____ cm

Name _____

G4 ***

How long is this zigzag path from A to B? _____ cm



Name _____

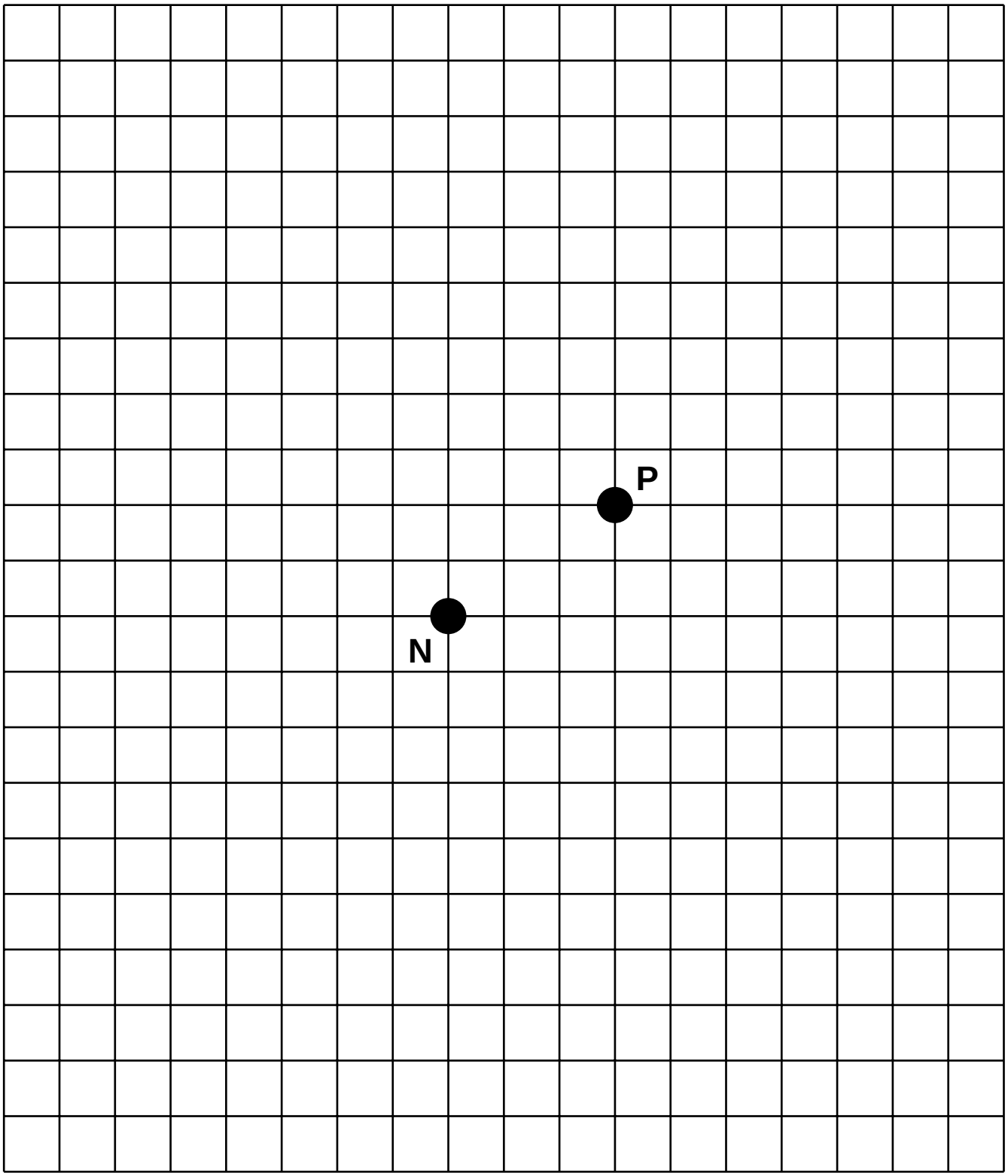
G4 ****

Draw a zigzag path from A to B that is longer than 50 cm.

How long is your path? _____ cm

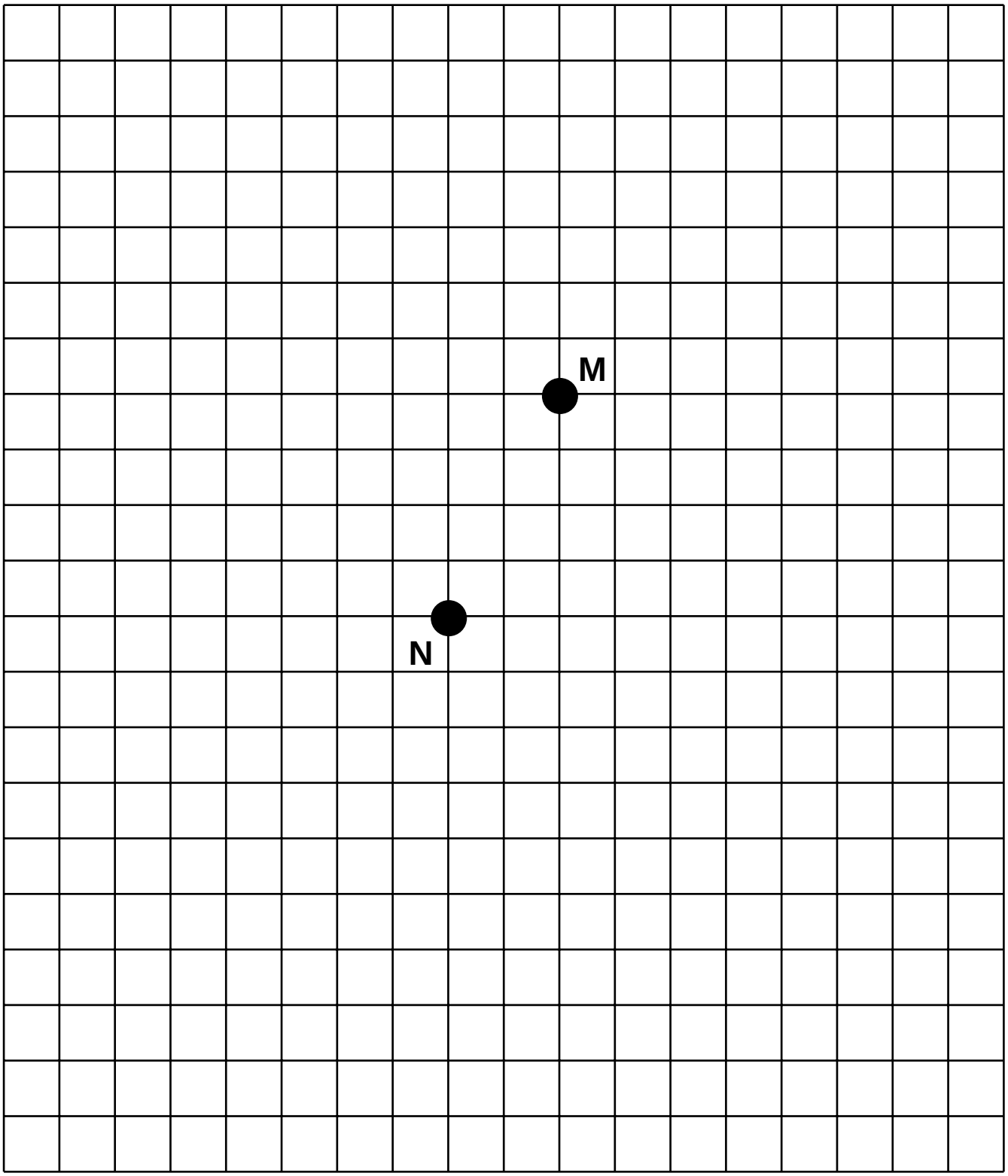
Name _____

G5 (a)



Name _____

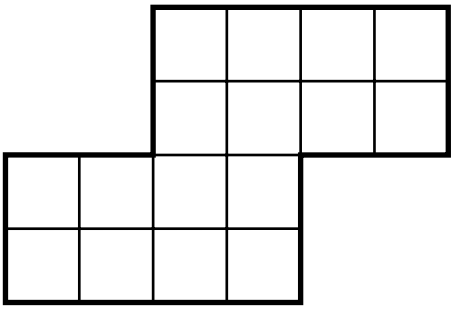
G5 (b)



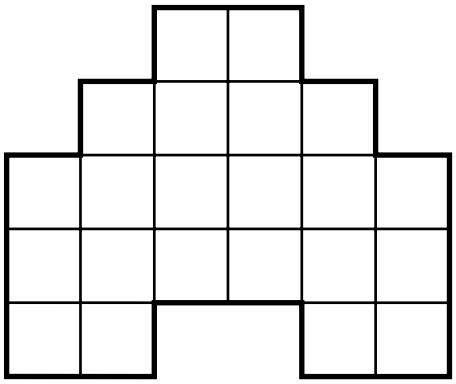
Name _____

G6 *

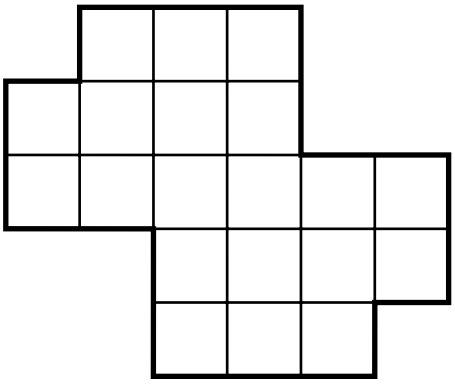
Color one-half of each shape and complete the number sentence.



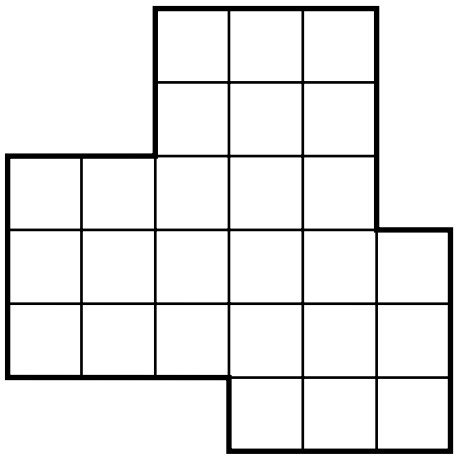
$\frac{1}{2} \times 16 =$ _____



$\frac{1}{2} \times 22 =$ _____



$\frac{1}{2} \times 20 =$ _____

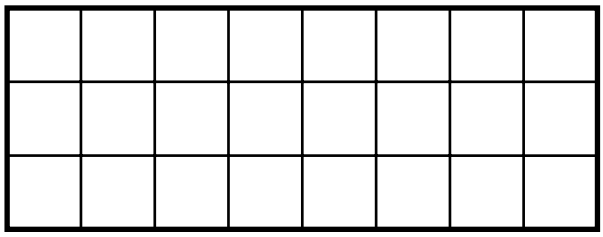


$\frac{1}{2} \times 26 =$ _____

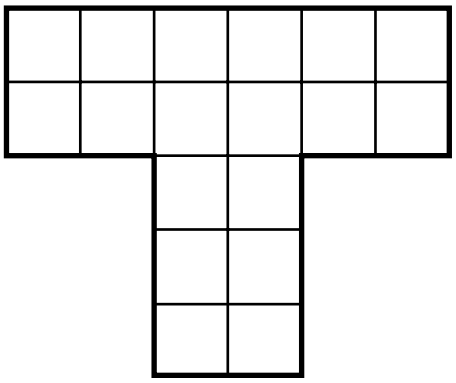
Name _____

G6 **

Color one-half of each shape and complete the number sentence.

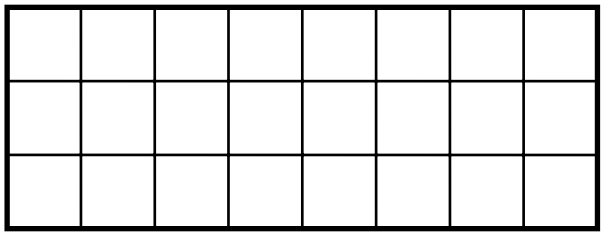


$\frac{1}{2} \times 24 = \_\_\_\_$

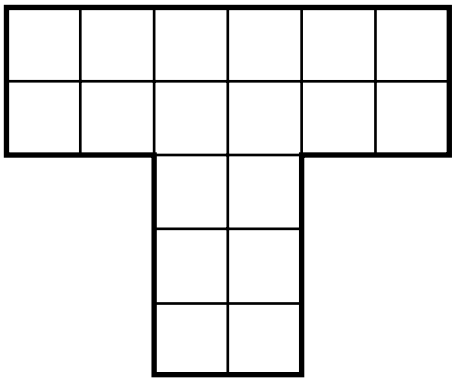


$\frac{1}{2} \times 18 = \_\_\_\_$

Color one-third of each shape and complete the number sentence.



$\frac{1}{3} \times 24 = \_\_\_\_$

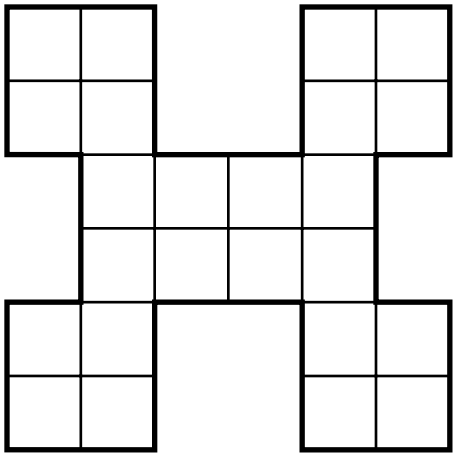


$\frac{1}{3} \times 18 = \_\_\_\_$

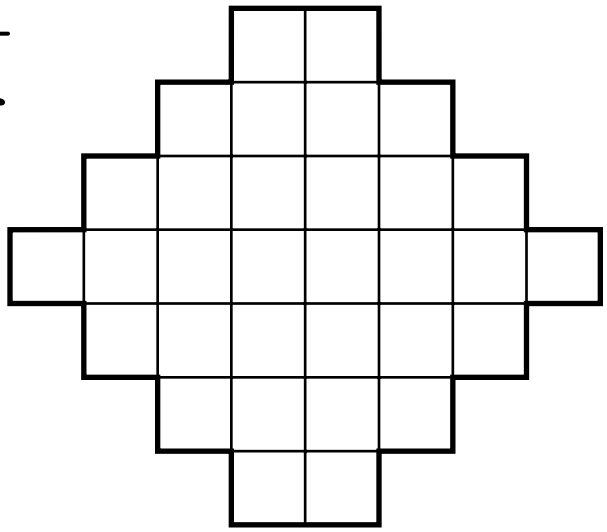
Name _____

G6 ***

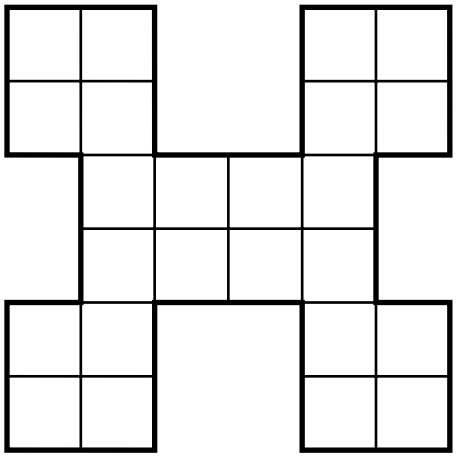
Color one-half of each shape red.



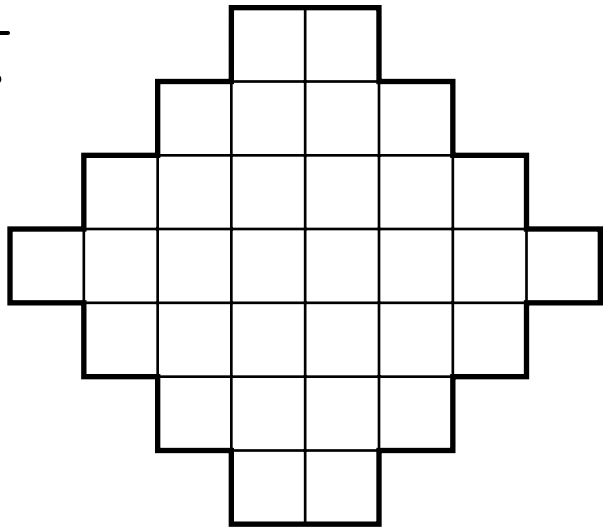
$\frac{1}{2}$



Color one-fourth of each shape blue.



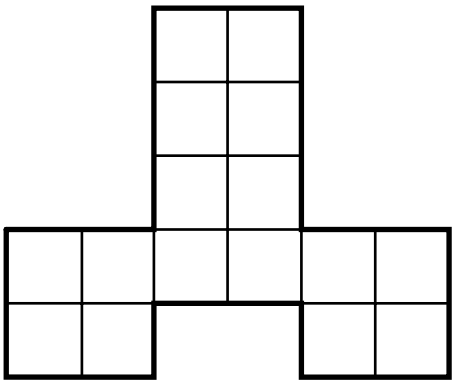
$\frac{1}{4}$



Name _____

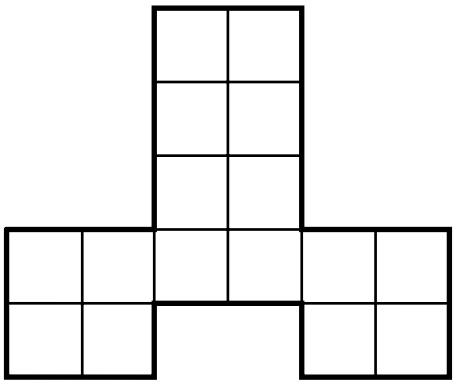
G6 ****

Color one-half of this shape.



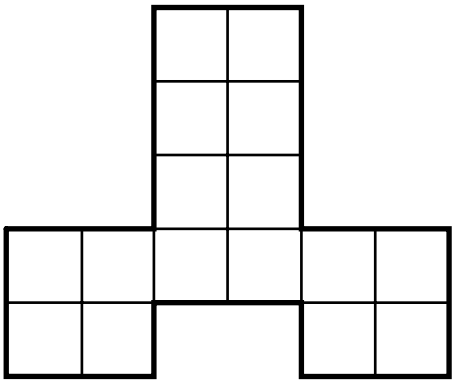
$\frac{1}{2}$

Color one-fourth of this shape.



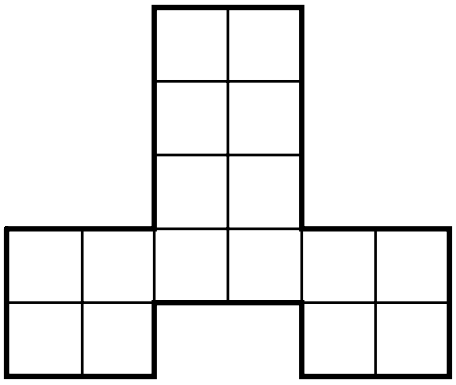
$\frac{1}{4}$

Color one-eighth of this shape.



$\frac{1}{8}$

Color one-sixteenth of this shape.

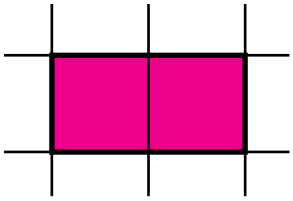


$\frac{1}{16}$

Name _____

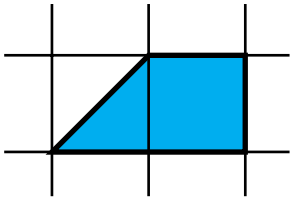
G7

Color red all the shapes with the same area as this shape.

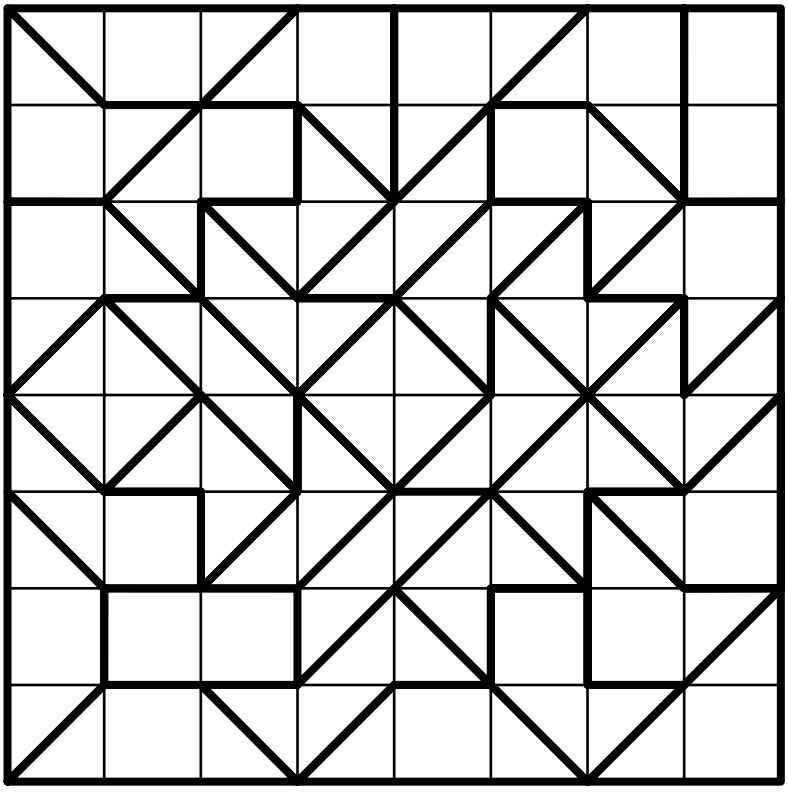


Area: 2S

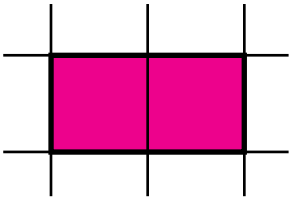
Color blue all the shapes with the same area as this shape.



Area: $1\frac{1}{2}$ S

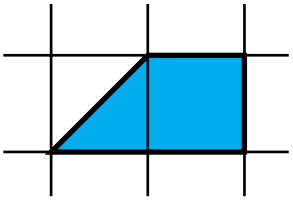


Color red all the shapes with the same area as this shape.

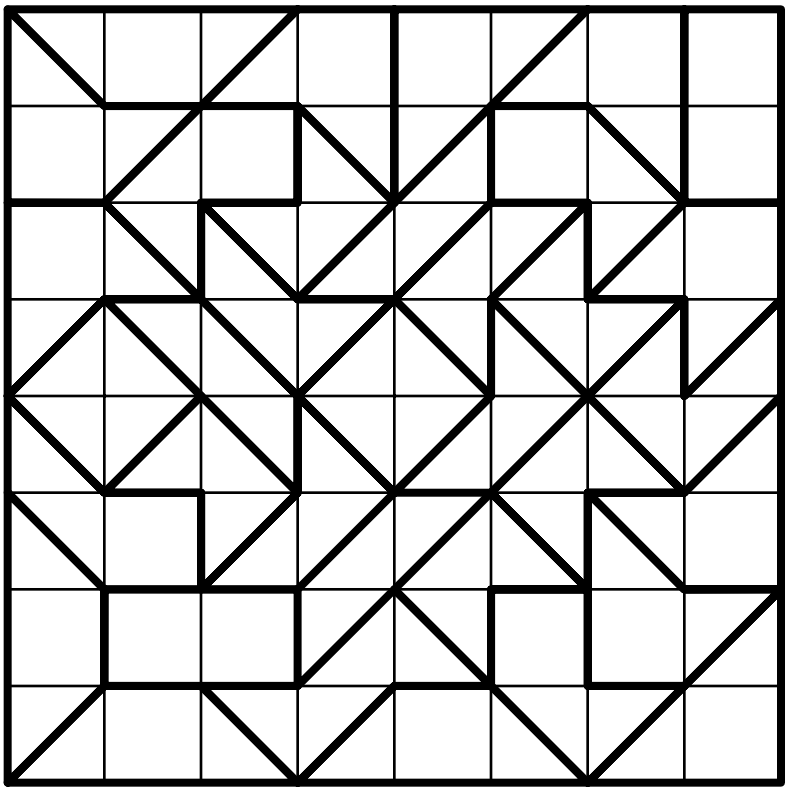


Area: 2S

Color blue all the shapes with the same area as this shape.



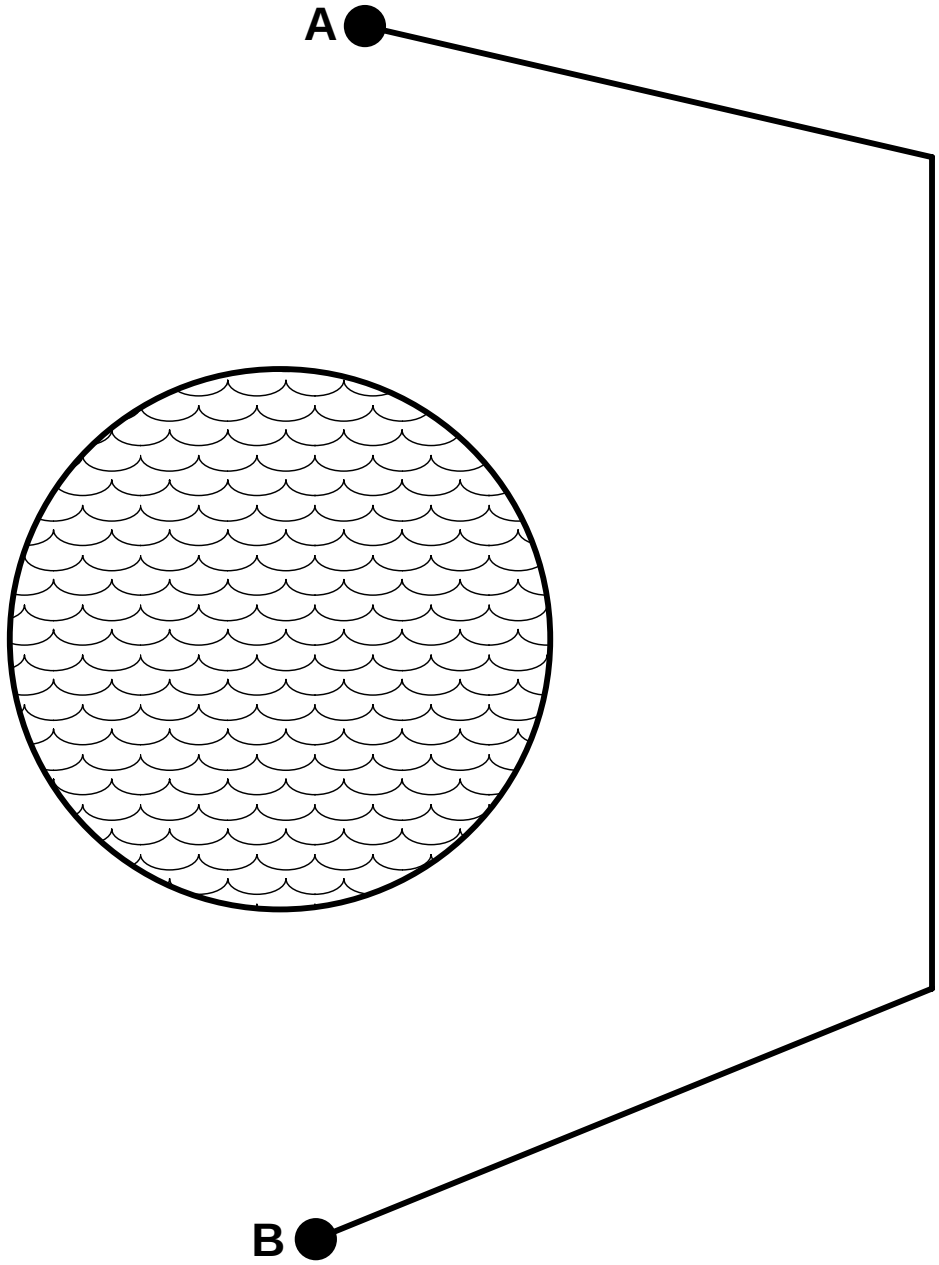
Area: $1\frac{1}{2}$ S



Name _____

G8 *

How long is this zigzag path from A to B? _____ cm



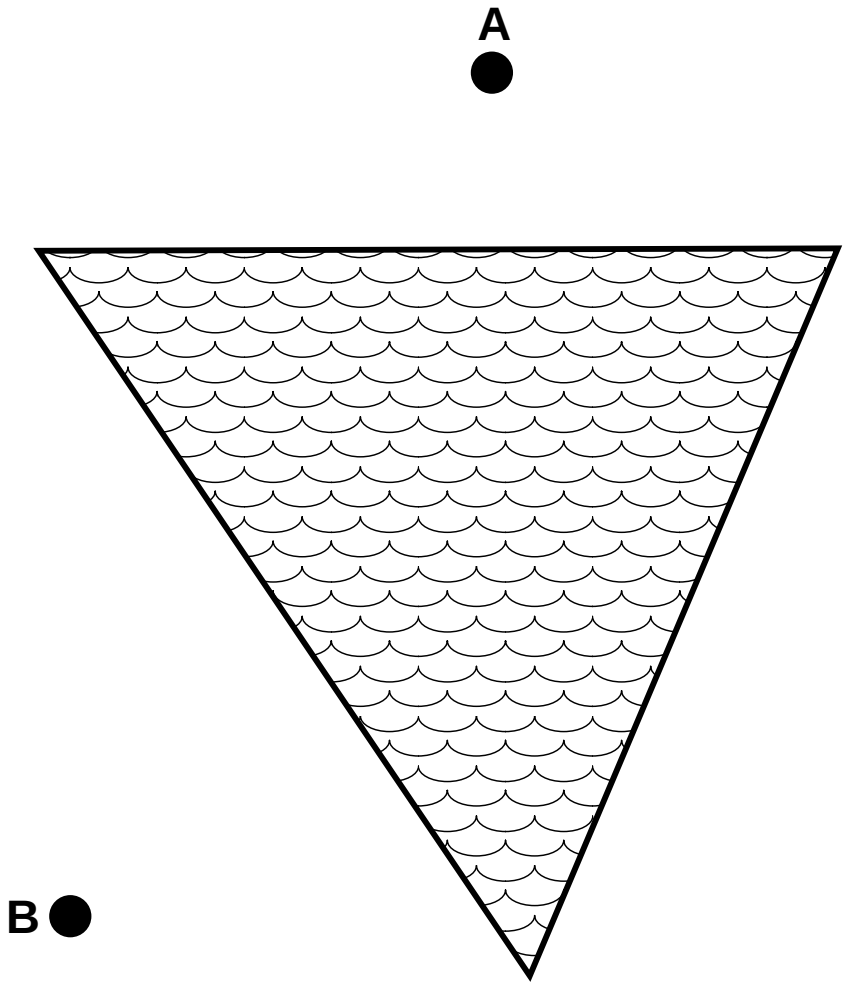
Try to find a shorter path from A to B. Draw it.

How long is your path? _____ cm

Name _____

G8 **

Draw a zigzag path from A to B. Try to make your zigzag path as short as possible.

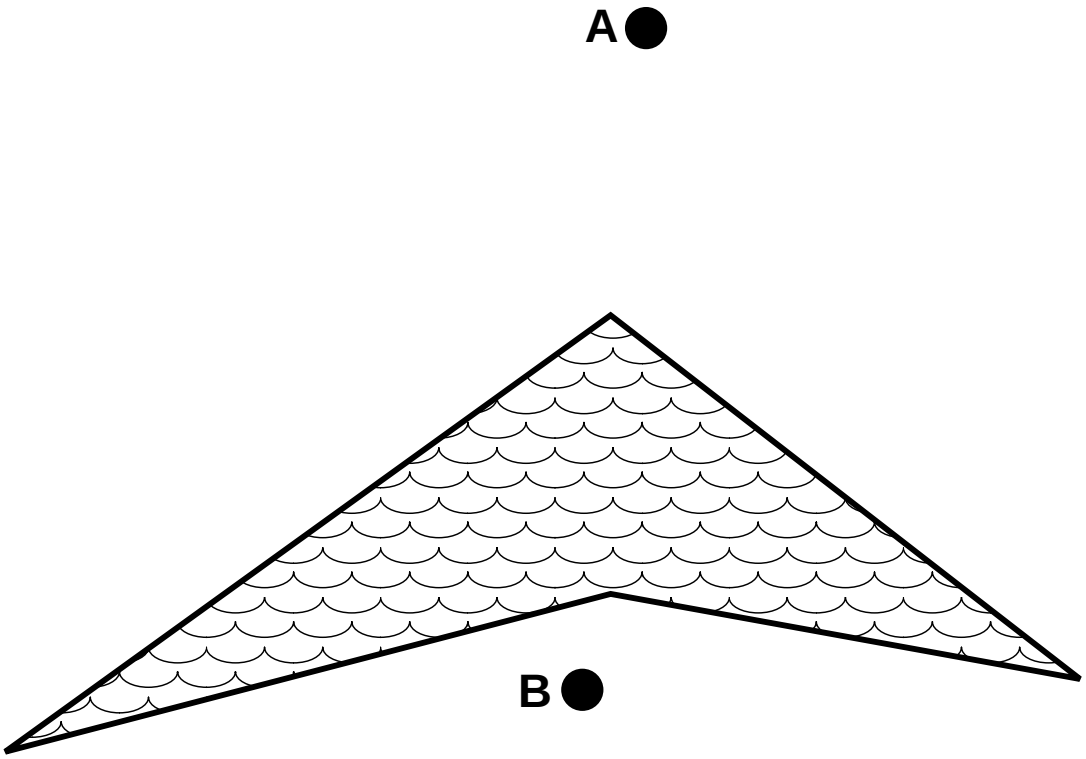


How long is your zigzag path? _____ cm

Name _____

G8 ***

Draw a zigzag path from A to B. Try to make your zigzag path shorter than 18 cm.

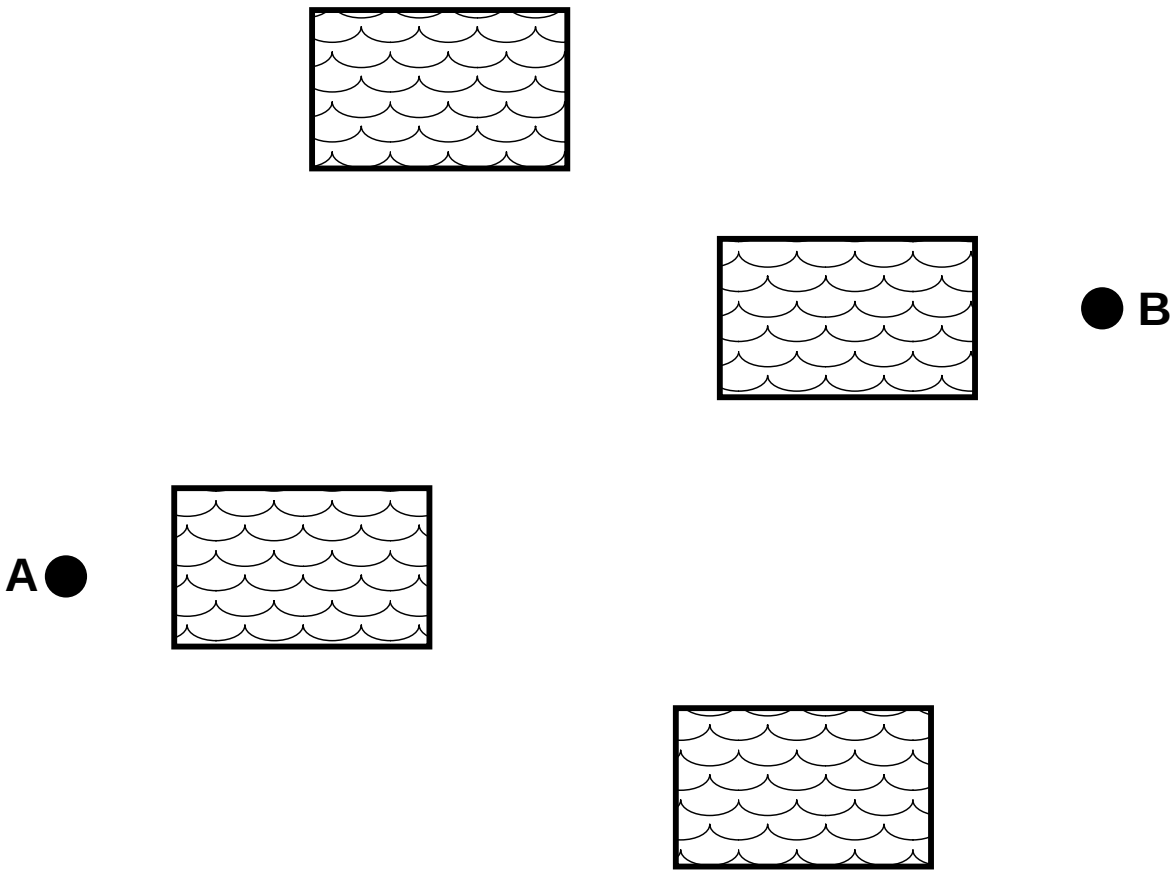


How long is your zigzag path? _____ cm

Name _____

G8 ****

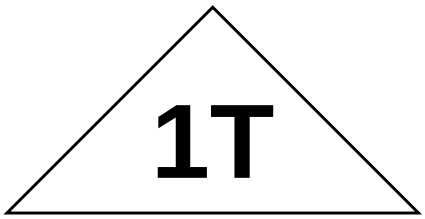
Draw a zigzag path from A to B. Try to make your zigzag path as short as possible.



How long is your zigzag path? _____ cm

Name _____

G9 *



Use Tangram pieces to build:

a square with area 4T	a triangle with area 4T
a square with area 8T	a triangle with area 8T

Name _____

G9 **

1S

Use Tangram pieces to build:

_____

a rectangle with area 3S

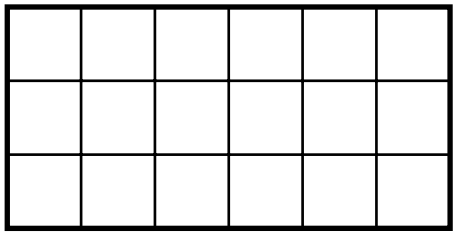
_____

a rectangle with area 6S

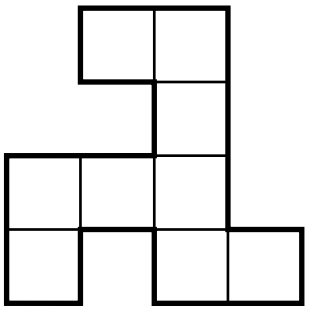
Name _____

G10 *

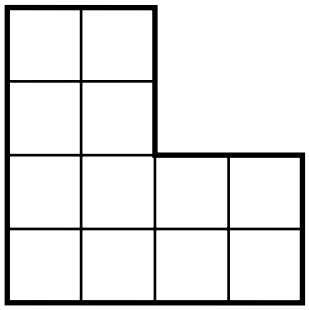
Color one-third of each shape and complete the number sentence.



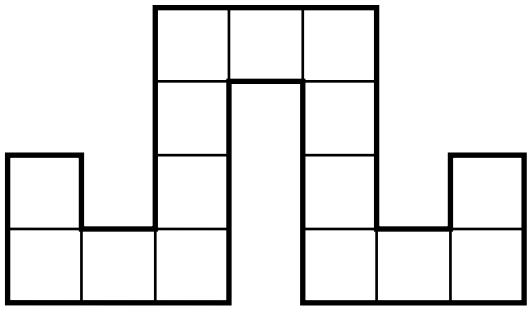
$\frac{1}{3} \times 18 =$ _____



$\frac{1}{3} \times 9 =$ _____



$\frac{1}{3} \times 12 =$ _____

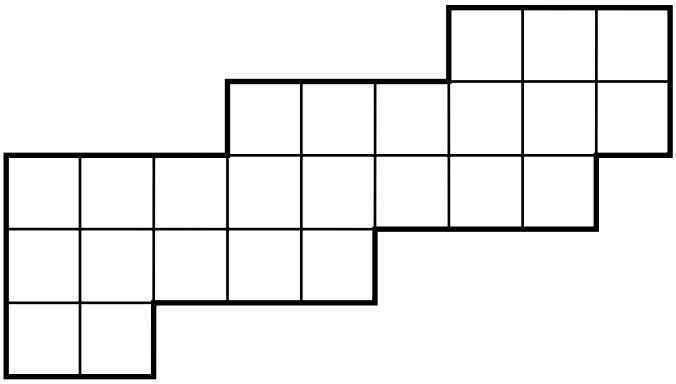


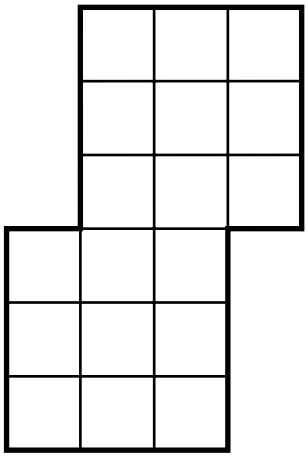
$\frac{1}{3} \times 15 =$ _____

Name _____

G10 **

Color one-half of each shape and complete the number sentence.

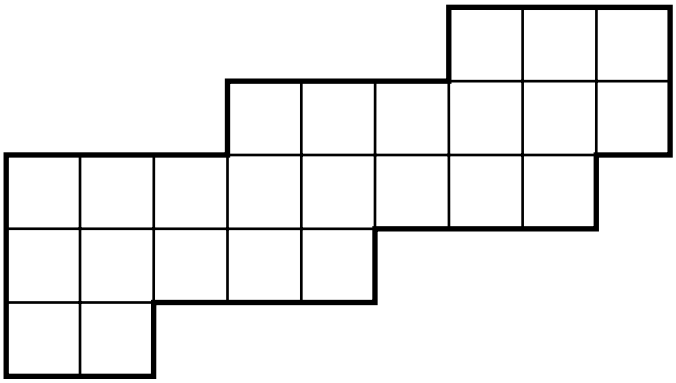


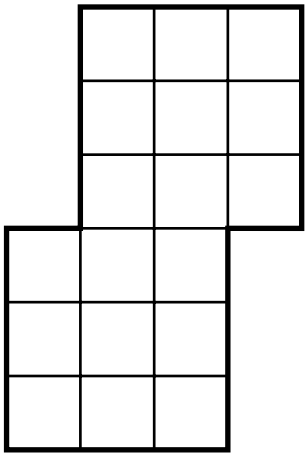


$\frac{1}{2} \times 24 =$ _____

$\frac{1}{2} \times 18 =$ _____

Color one-third of each shape and complete the number sentence.





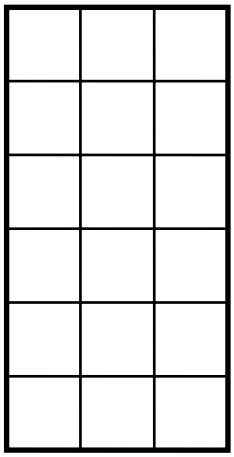
$\frac{1}{3} \times 24 =$ _____

$\frac{1}{3} \times 18 =$ _____

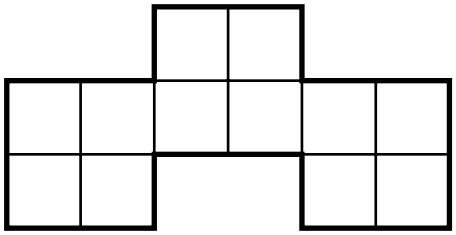
Name _____

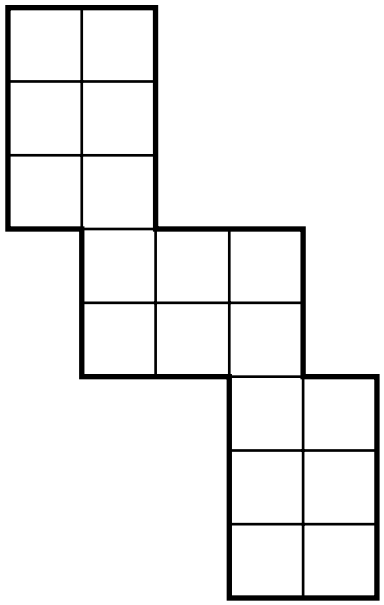
G10 ***

Color one-third of each shape.

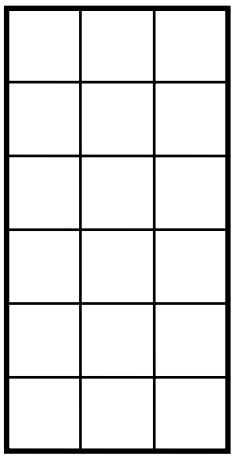


$\frac{1}{3}$

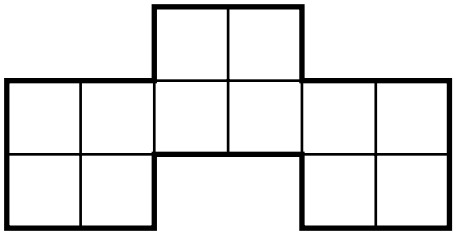


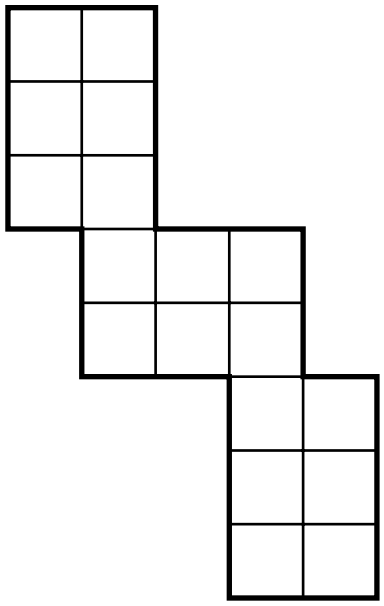


Color one-sixth of each shape.



$\frac{1}{6}$

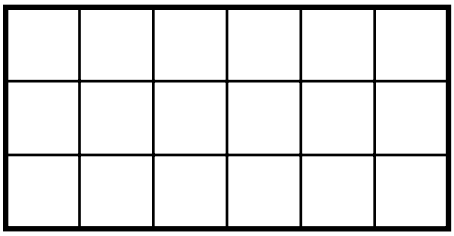




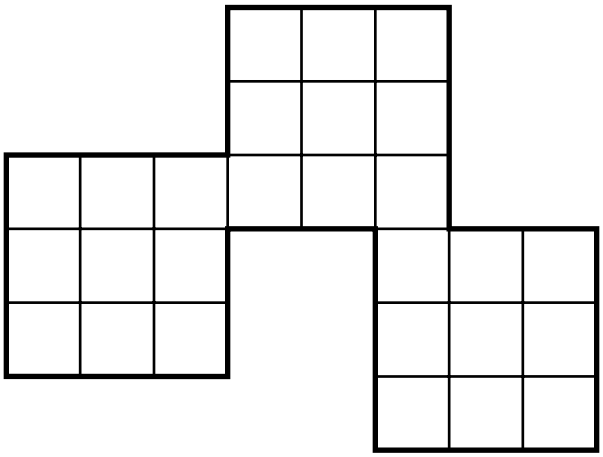
Name _____

G10 ****

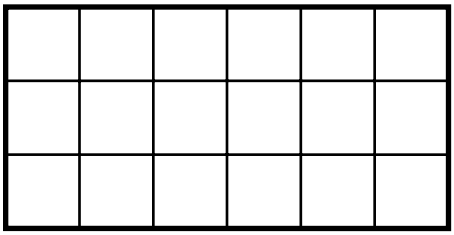
Color one-third of each shape.



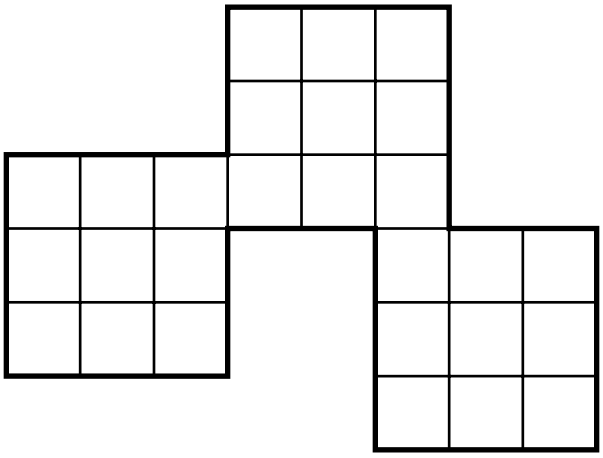
$\frac{1}{3}$



Color one-ninth of each shape.



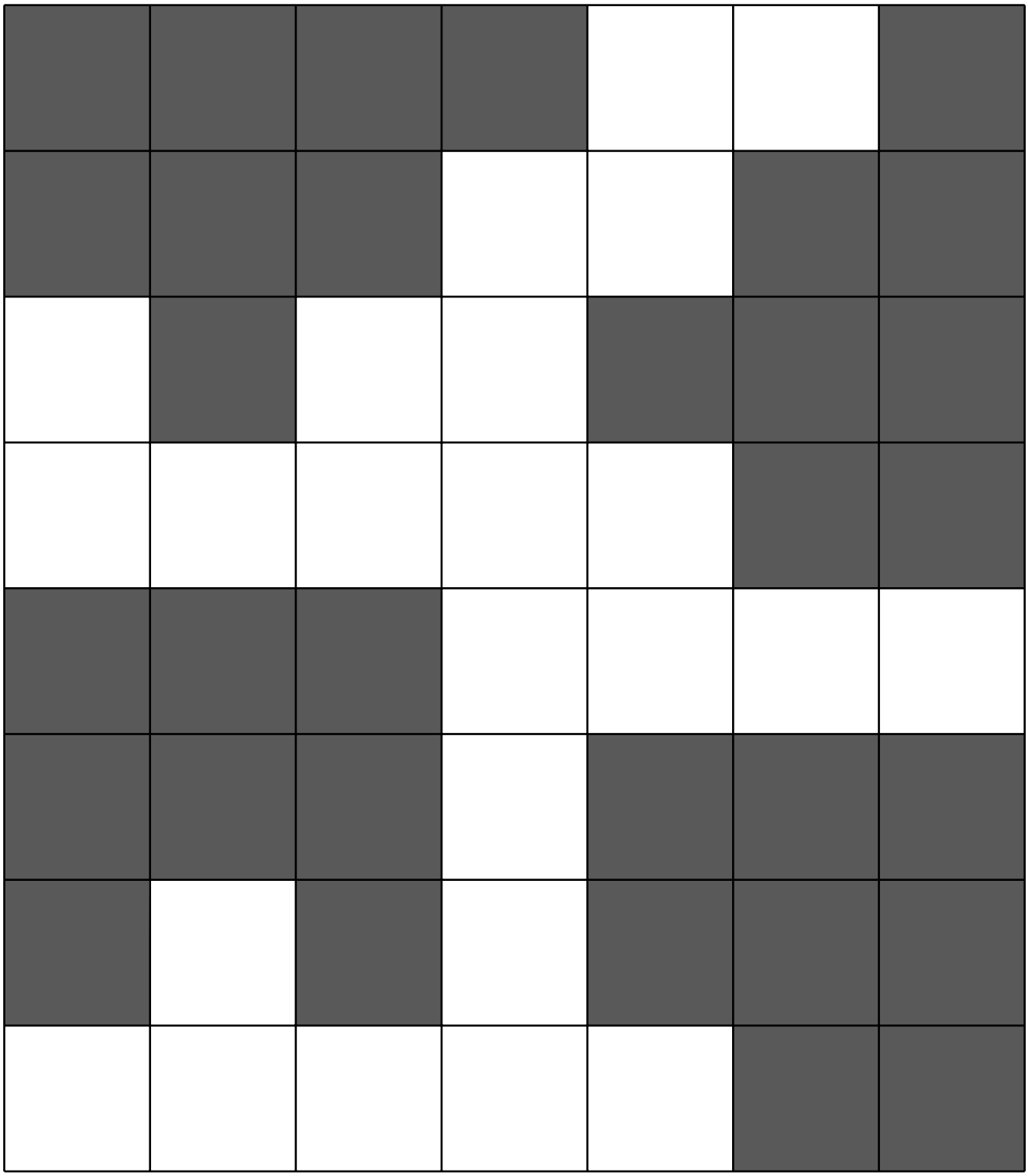
$\frac{1}{9}$



Name _____

G13 *

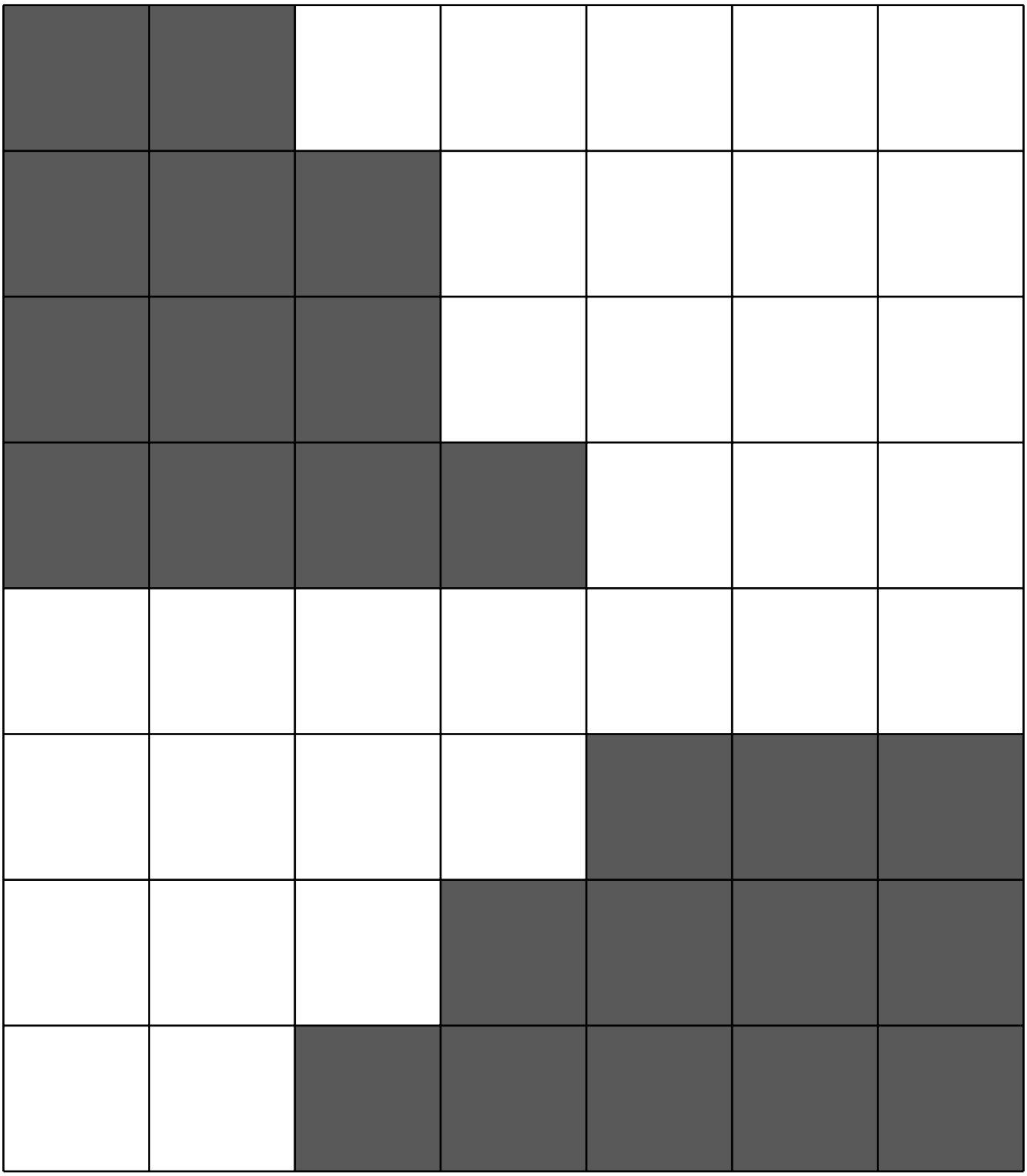
Use two tetrominoes to cover these shapes.



Name _____

G13 **

Use three tetrominoes to cover these shapes.



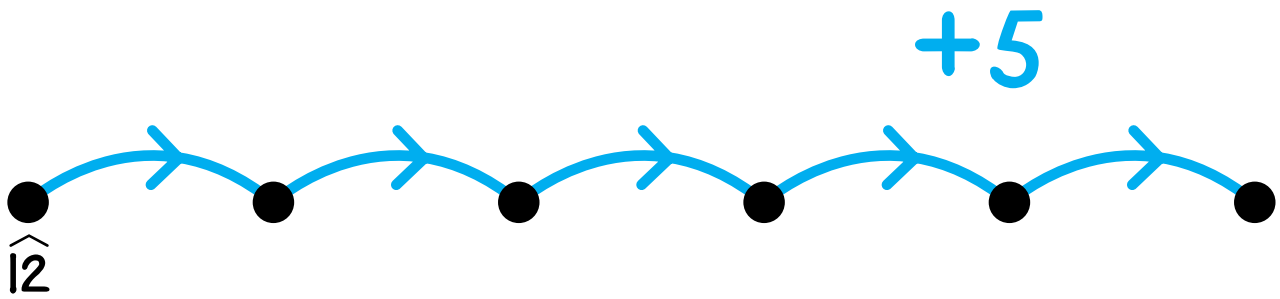
Name _____

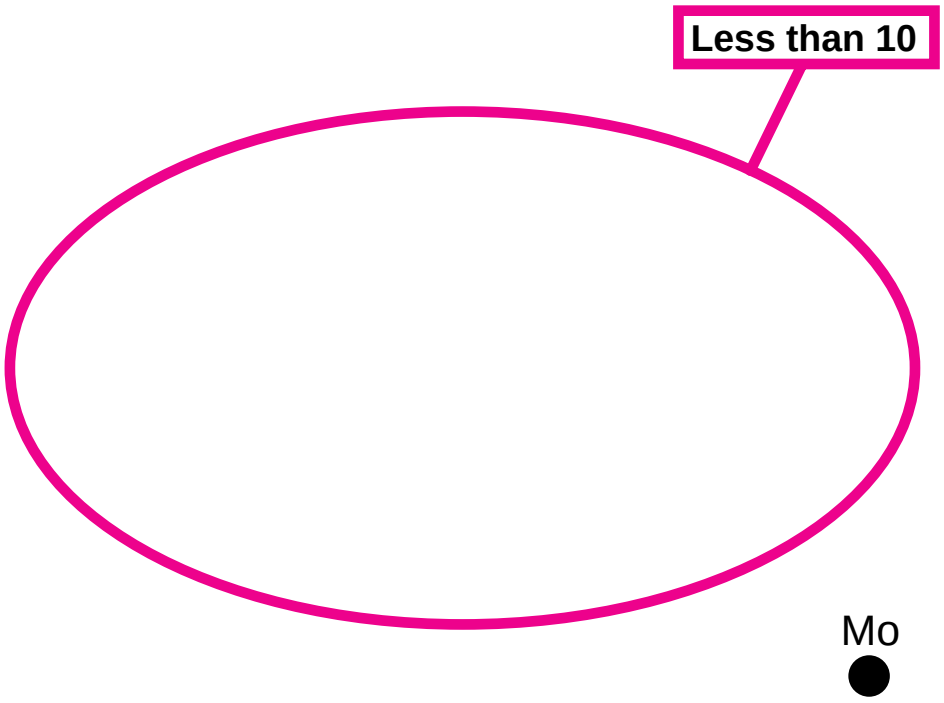
W3

Mo is a secret number.

Mo is in this arrow picture and in this string picture.

Who is Mo? _____

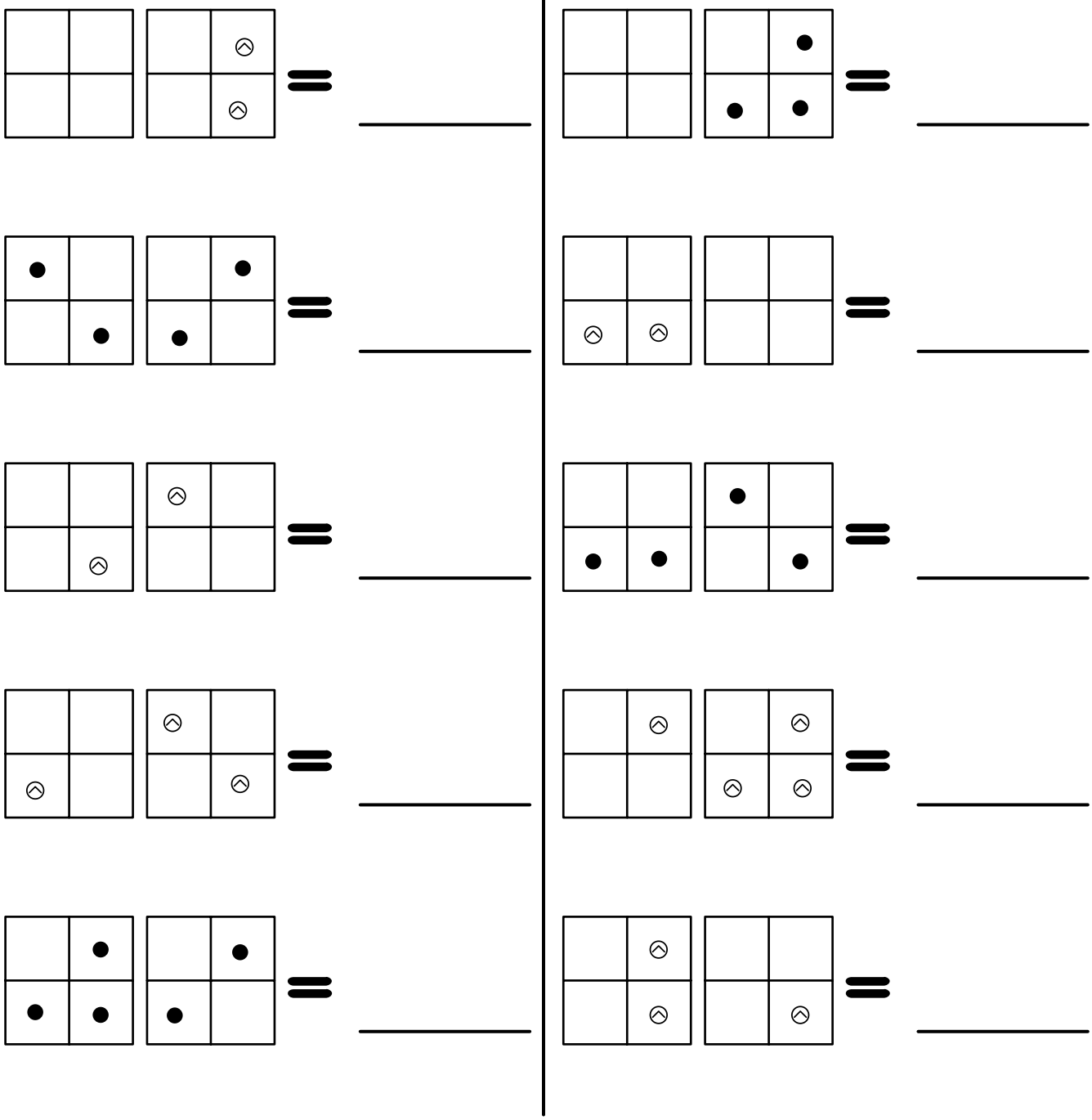




Name _____

W6 *

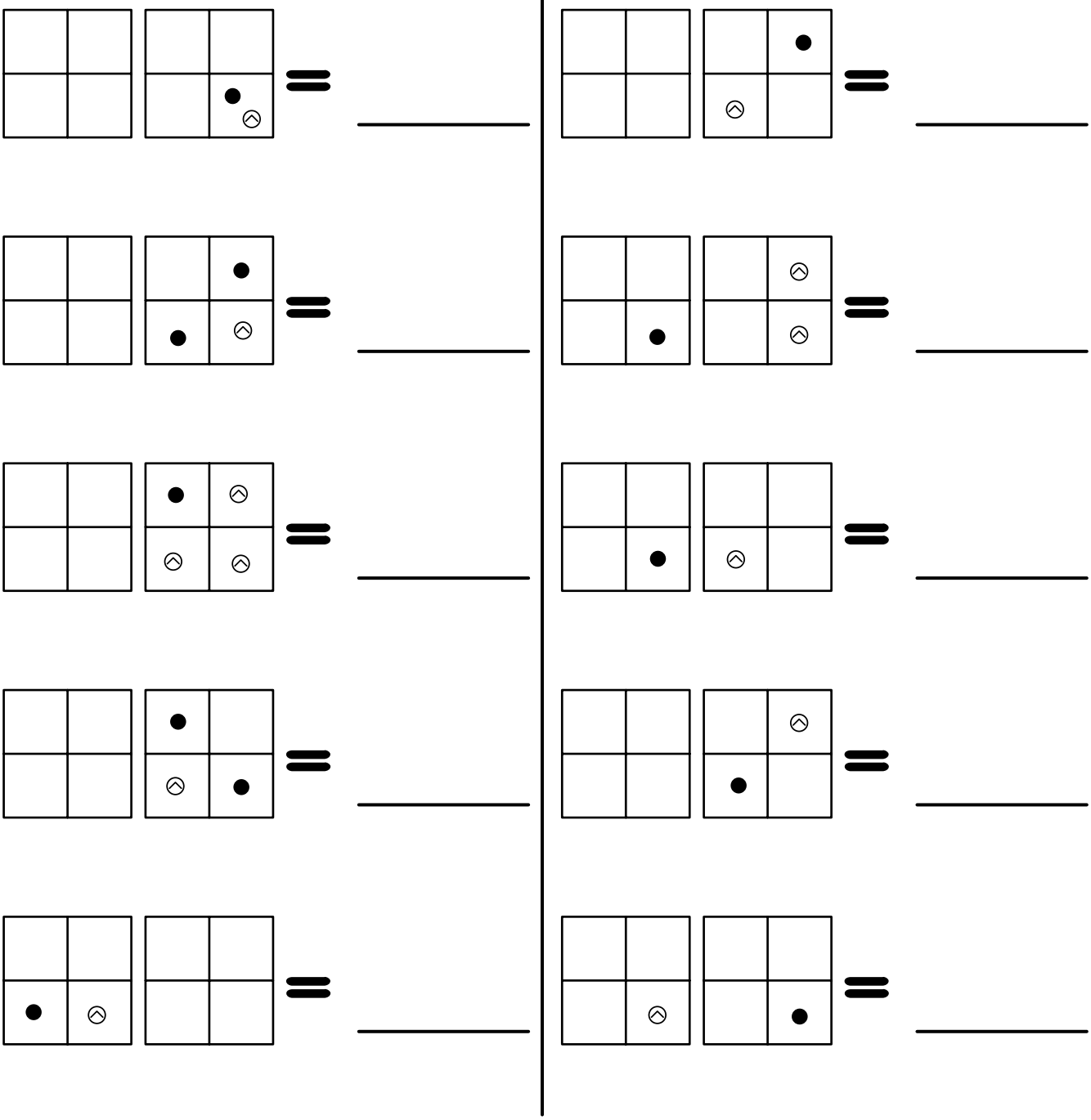
What number is on the Minicomputer?



Name _____

W6 **

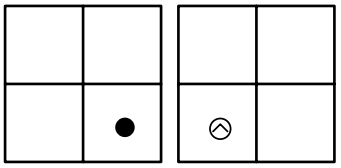
What number is on the Minicomputer?

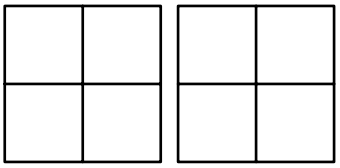


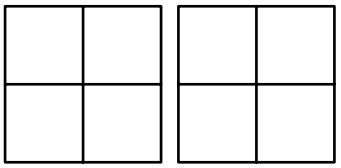
Name _____

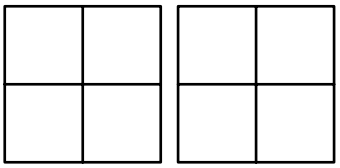
W6 ***

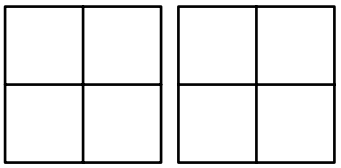
Put these numbers on the Minicomputer using one positive and one negative checker. One is done for you.

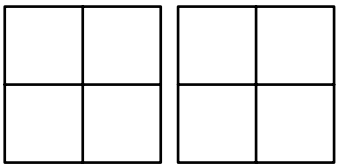
 = 8

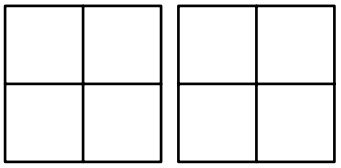
 = 3

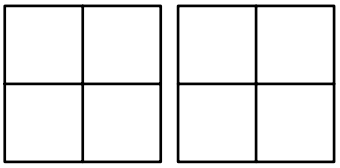
 = 7

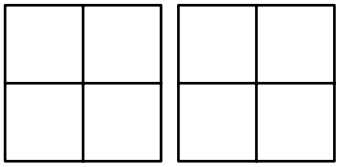
 = 3̂

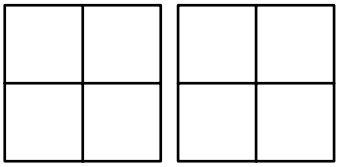
 = 6

 = 1

 = 9

 = 1̂

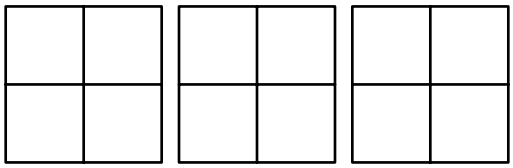
 = 2

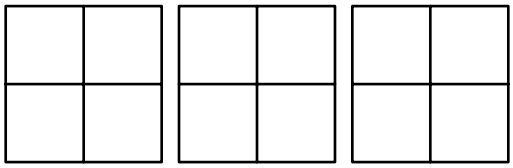
 = 4

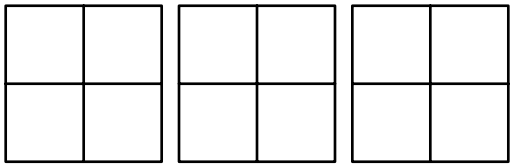
Name _____

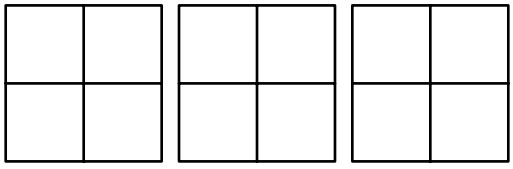
W6 ****

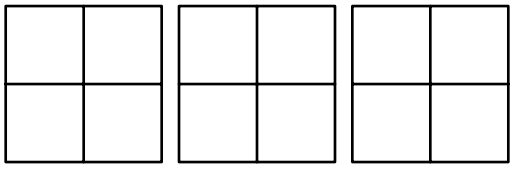
Put these numbers on the Minicomputer. Use at least one negative checker for each number.

19 = 

78 = 

32 = 

96 = 

199 = 

270 =