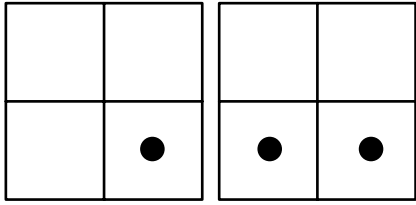
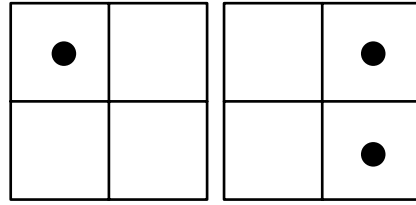


# Caravan of Problems #2

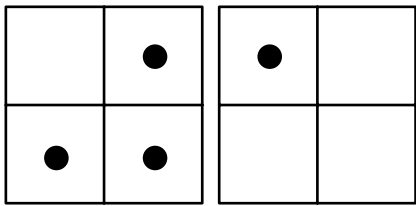
What number is on the Minicomputer?



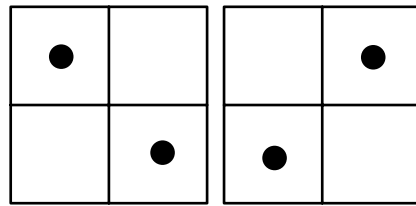
\_\_\_\_\_



\_\_\_\_\_

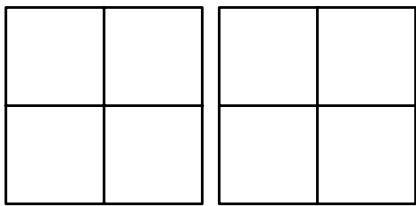


\_\_\_\_\_

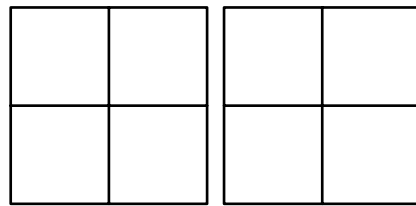


\_\_\_\_\_

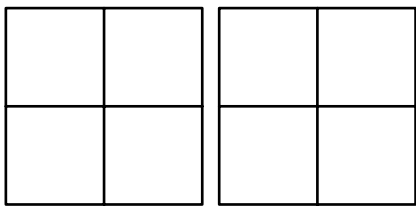
Put these numbers on the Minicomputer.



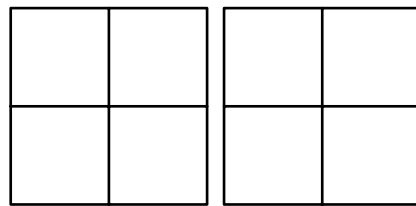
**29**



**64**

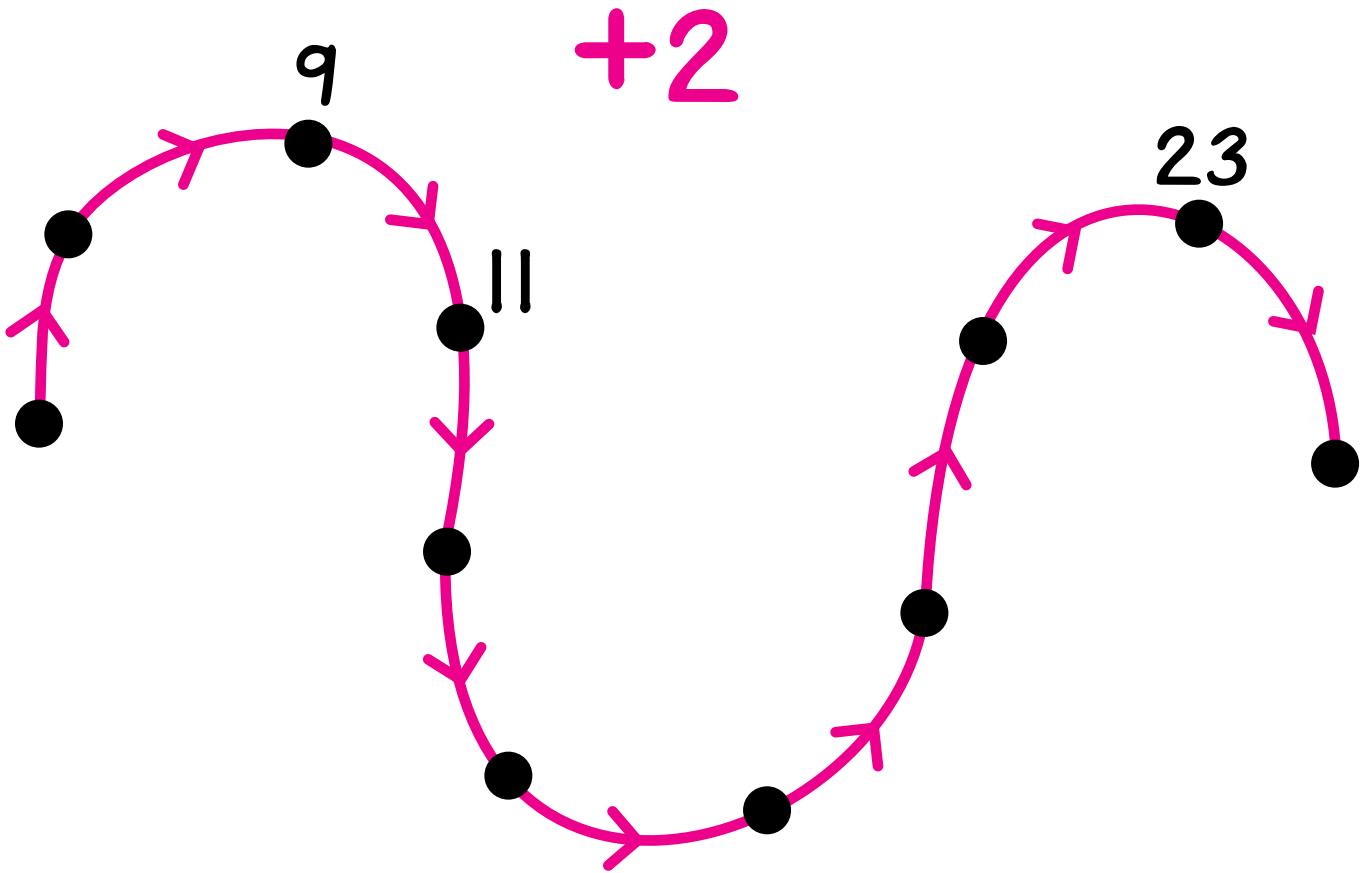


**37**



**50**

Label the dots.



Complete.

$$\begin{array}{r} 25 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 34 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 33 \\ +2 \\ \hline \end{array}$$

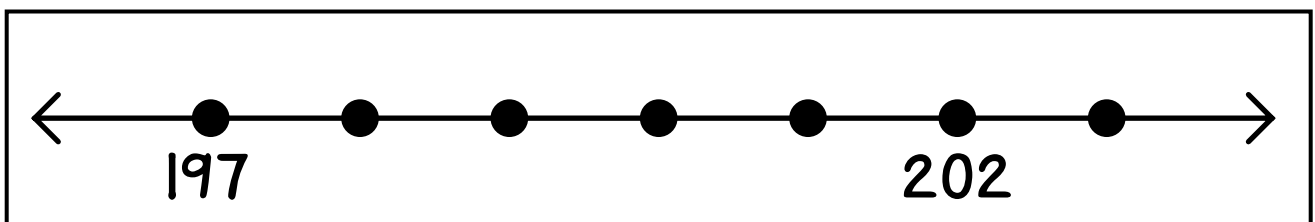
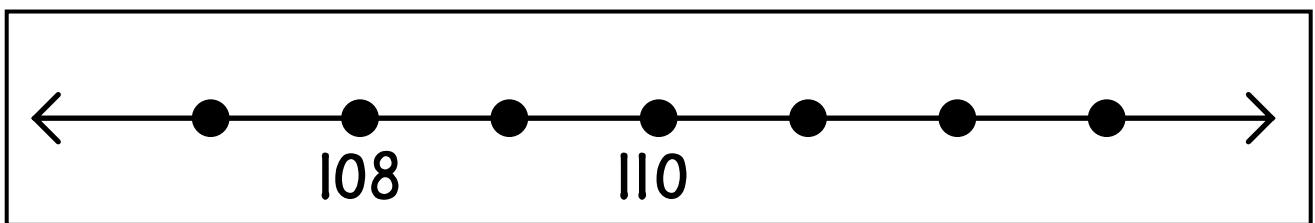
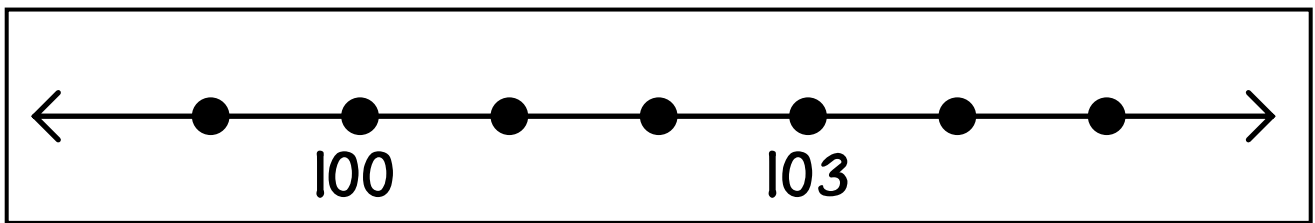
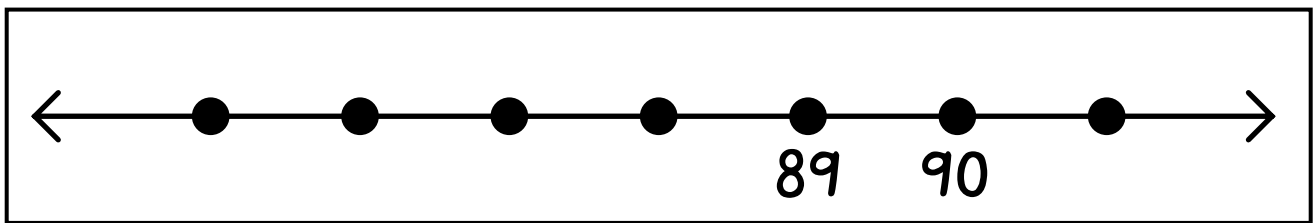
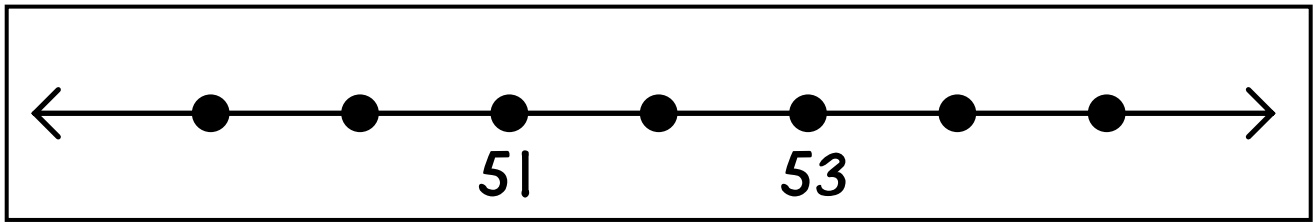
$$\begin{array}{r} 57 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ +2 \\ \hline \end{array}$$

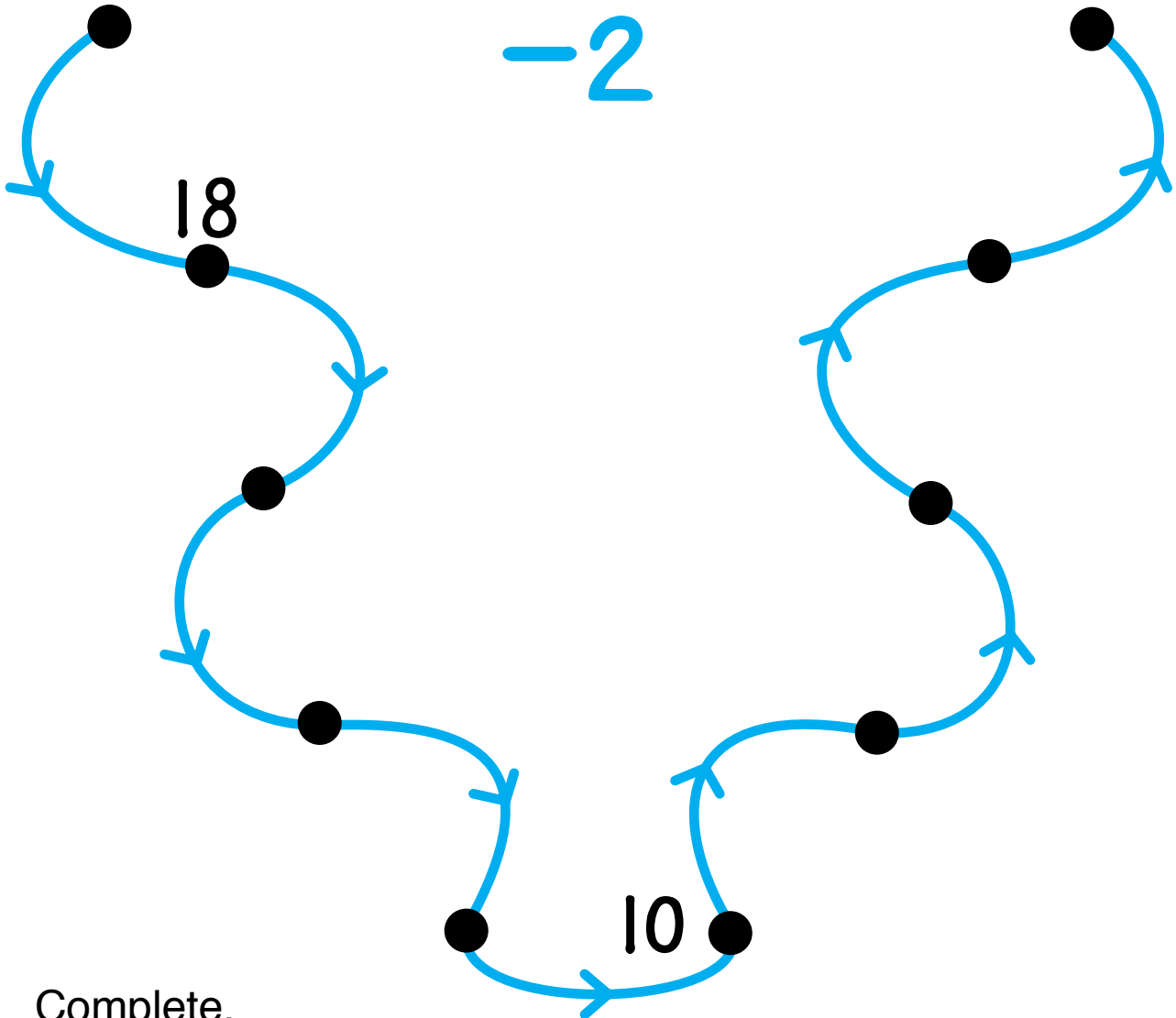
$$\begin{array}{r} 100 \\ +2 \\ \hline \end{array}$$

$$\begin{array}{r} 78 \\ +2 \\ \hline \end{array}$$

Label the dots on these number lines.



Label the dots.



Complete.

$$\begin{array}{r} 9 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 24 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ -2 \\ \hline \end{array}$$

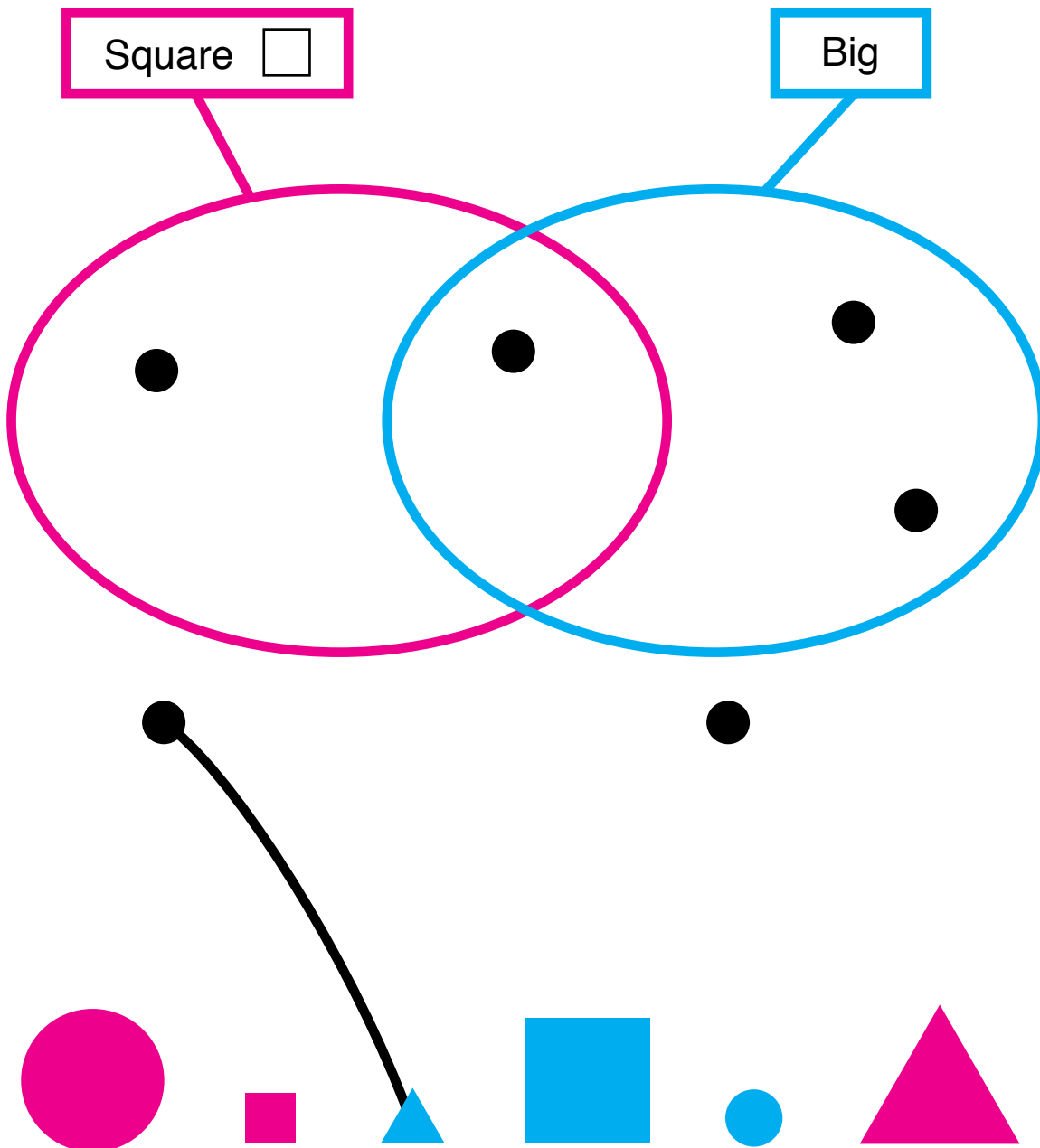
$$\begin{array}{r} 43 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 62 \\ -2 \\ \hline \end{array}$$

Match the dots with A-blocks. One is done for you.



Put these numbers in the correct houses. One is done for you.

~~537~~

52

25

615

540

215

451

658

150

503

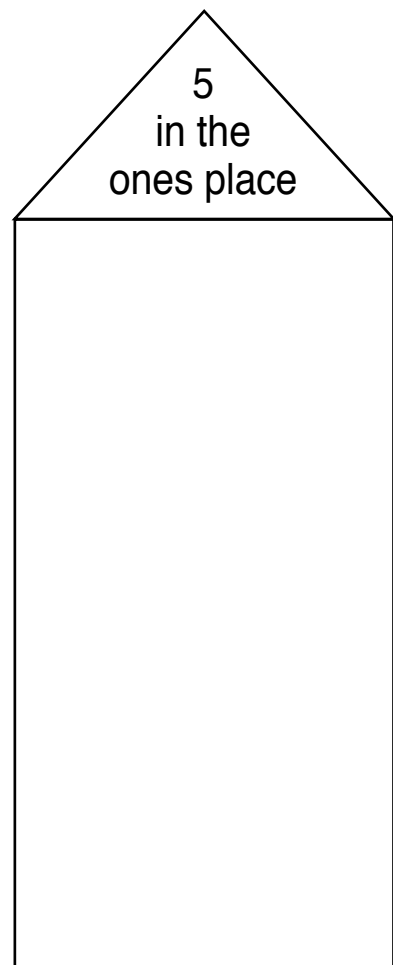
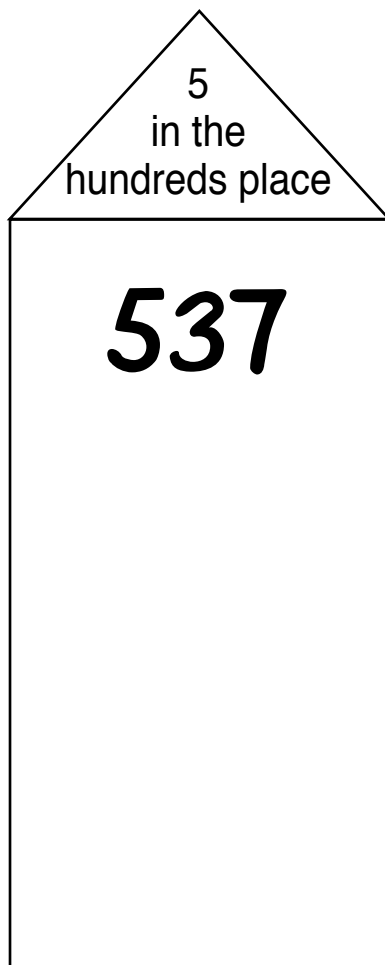
195

305

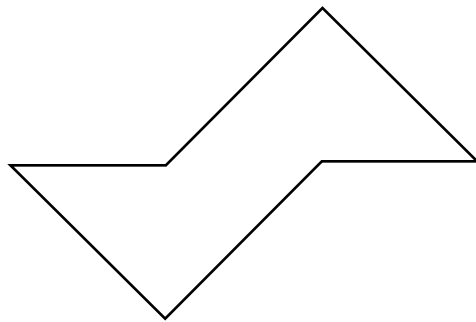
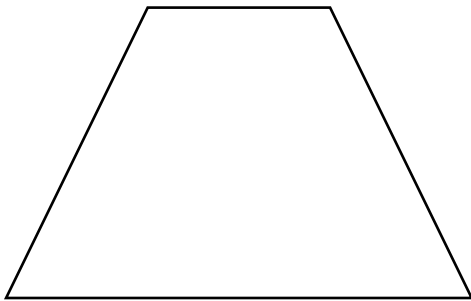
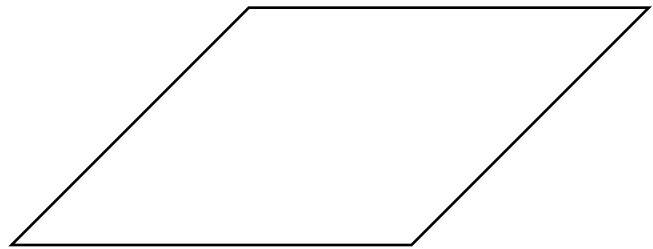
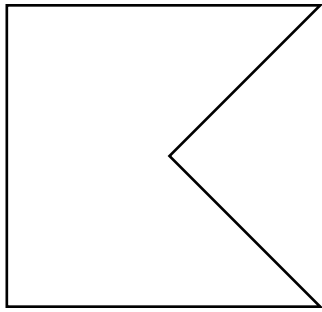
159

500

521

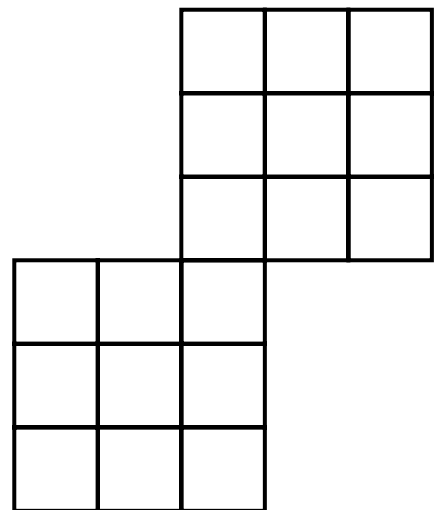
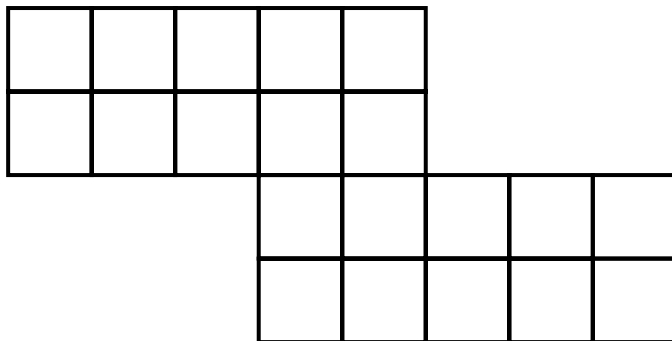


Cut each shape equally in half with one line.



---

Color one-half of each shape red.





Solve these problems. You may draw pictures or use the Minicomputer.

Jule has 4 packages of pencils. Each package has 8 pencils. How many pencils in all? \_\_\_\_\_

---

Ardis took 27 flowers to the parade. He gave 15 flowers to watchers. How many flowers does he have left? \_\_\_\_\_

---

Ms. Thomas wants to share 30 bones equally among her 5 dogs. How many bones for each dog? \_\_\_\_\_

Build an arrow road from 0 to 53 using  $+10$  and  $+1$  arrows.

$+10$

53  
●

$+1$

●  
0

Put these numbers on the Minicomputer.


**425**


**239**


**807**


**560**

What number is on the Minicomputer?

			•		•
	•	•	•		•

\_\_\_\_\_

•	•	•	•		

\_\_\_\_\_

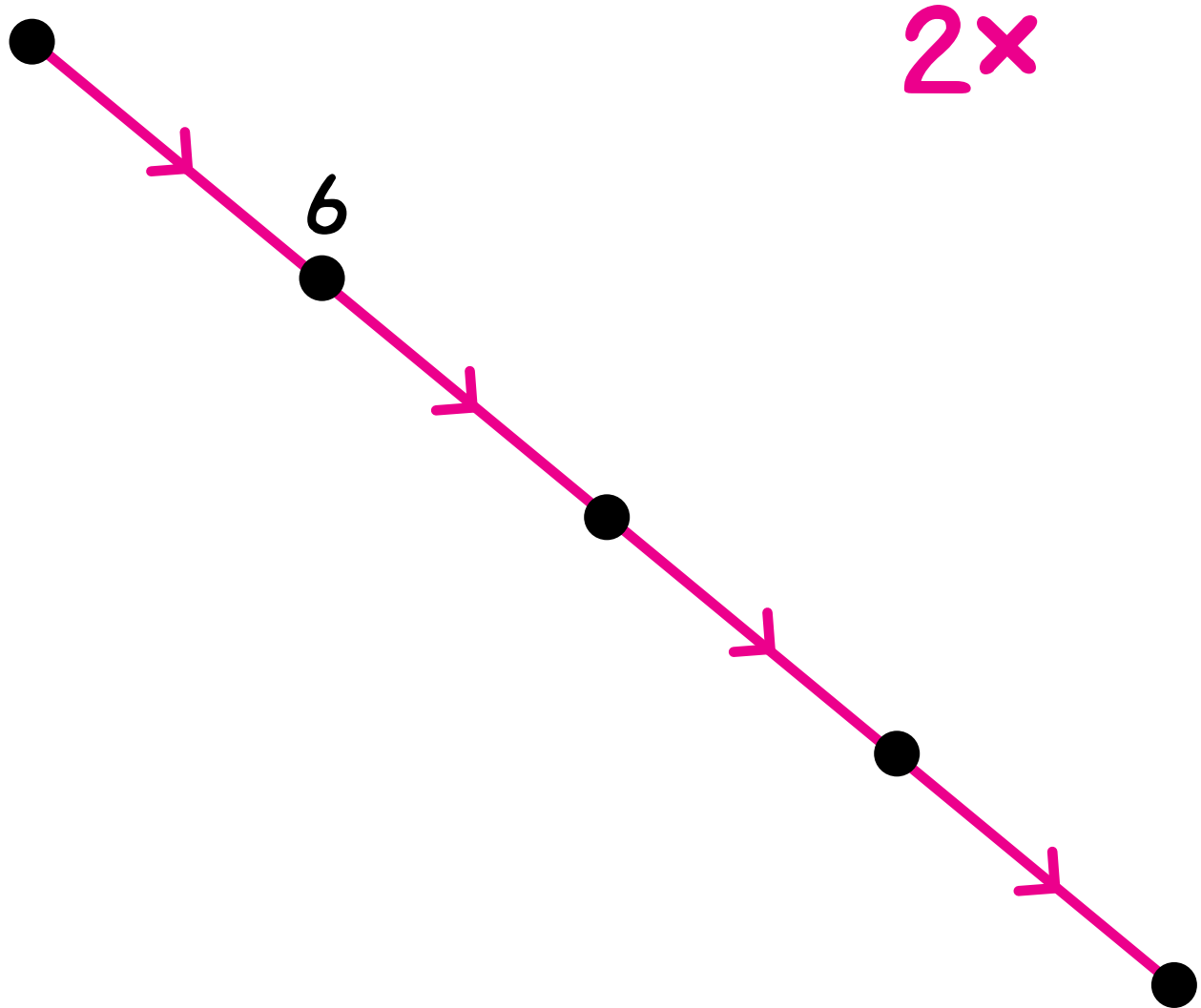
		•			•
				•	

\_\_\_\_\_

•					•
	•				

\_\_\_\_\_

Label the dots.



Complete.

$$2 \times 4 = \underline{\quad}$$

$$2 \times 5 = \underline{\quad}$$

$$2 \times 7 = \underline{\quad}$$

$$2 \times 11 = \underline{\quad}$$

$$\begin{array}{r} 21 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 32 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 25 \\ \times 2 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ \times 2 \\ \hline \end{array}$$

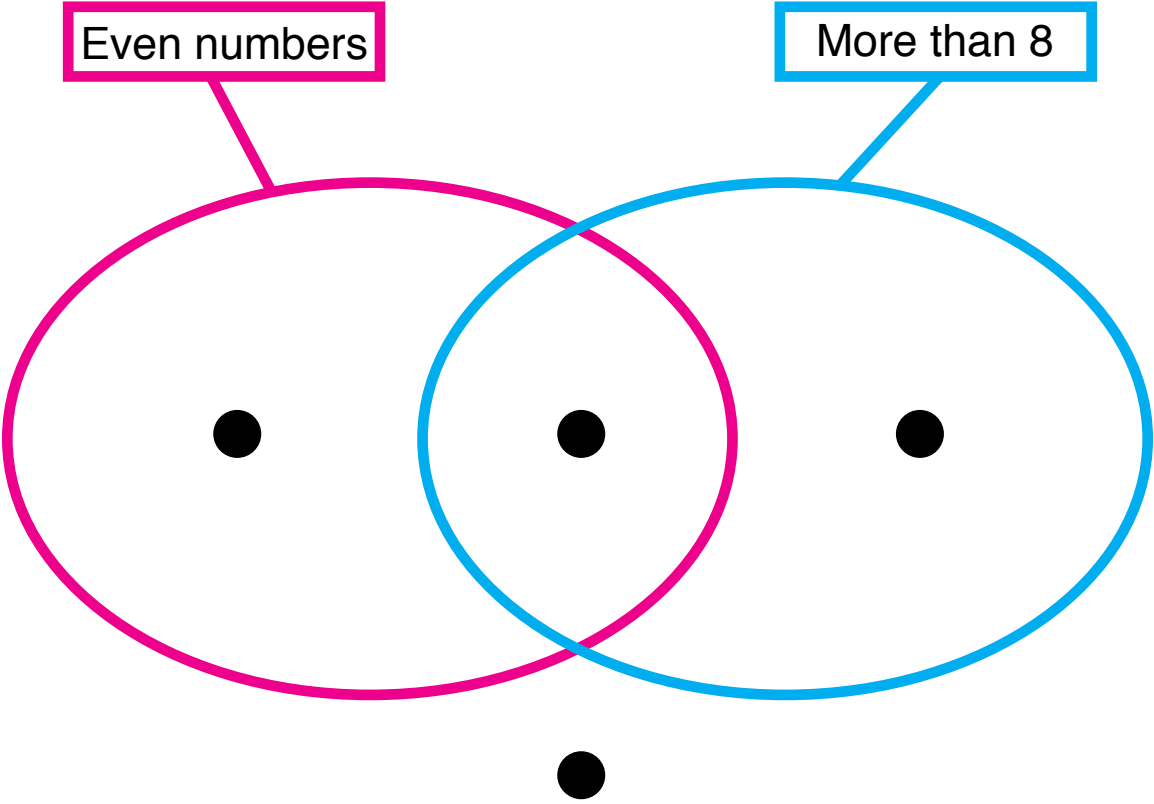
Label the dots in this picture with these numbers:

2

5

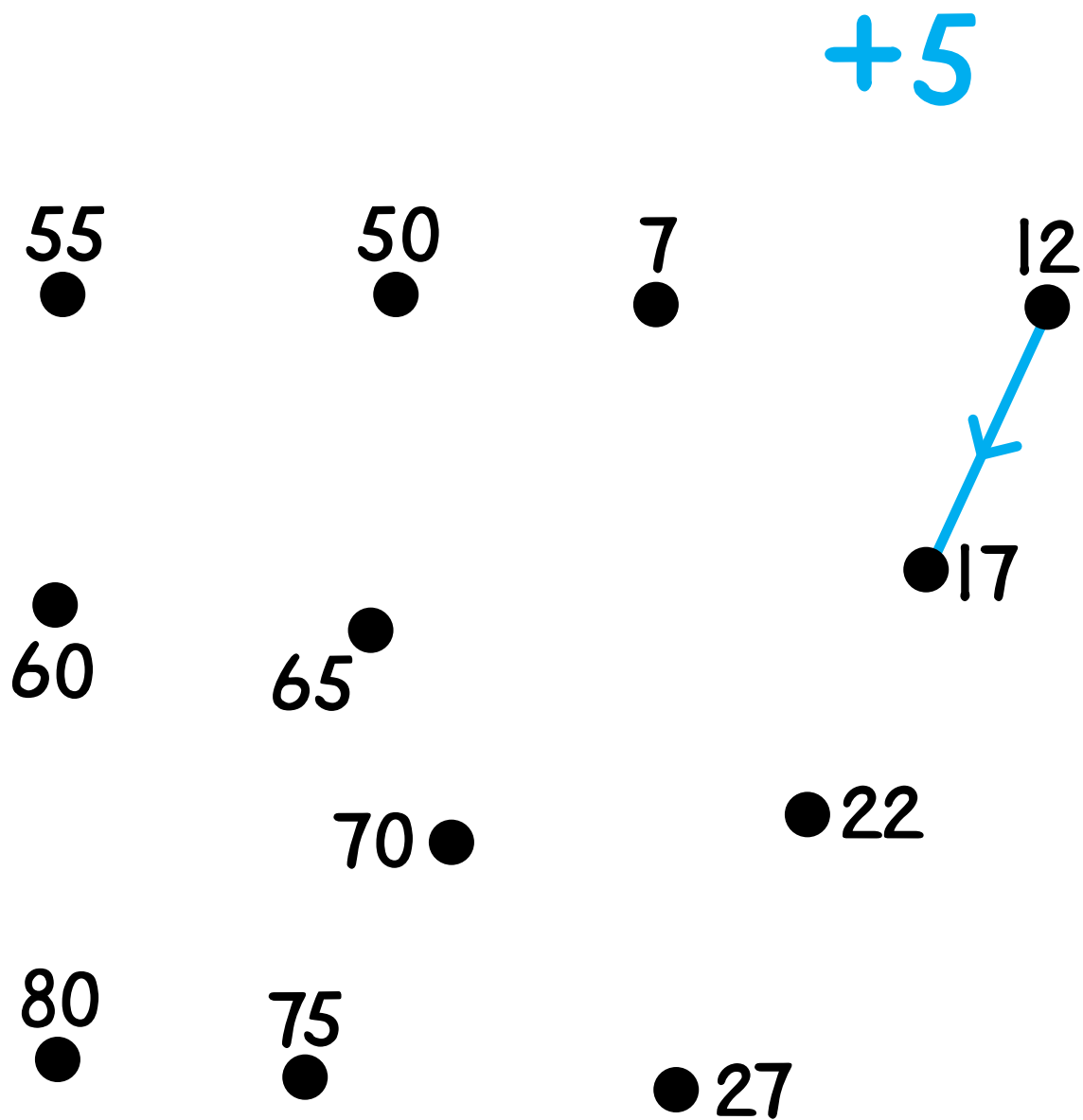
10

15



Put three more numbers in the string picture.

Draw all **+5** arrows in blue.



Complete.

$$\begin{array}{r} 27 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 55 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 105 \\ +5 \\ \hline \end{array}$$

$$\begin{array}{r} 49 \\ +5 \\ \hline \end{array}$$

Calculate.

$$\begin{array}{r} 25 \\ +15 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ +64 \\ \hline \end{array}$$

$$\begin{array}{r} 350 \\ +240 \\ \hline \end{array}$$

$$\begin{array}{r} 416 \\ +322 \\ \hline \end{array}$$

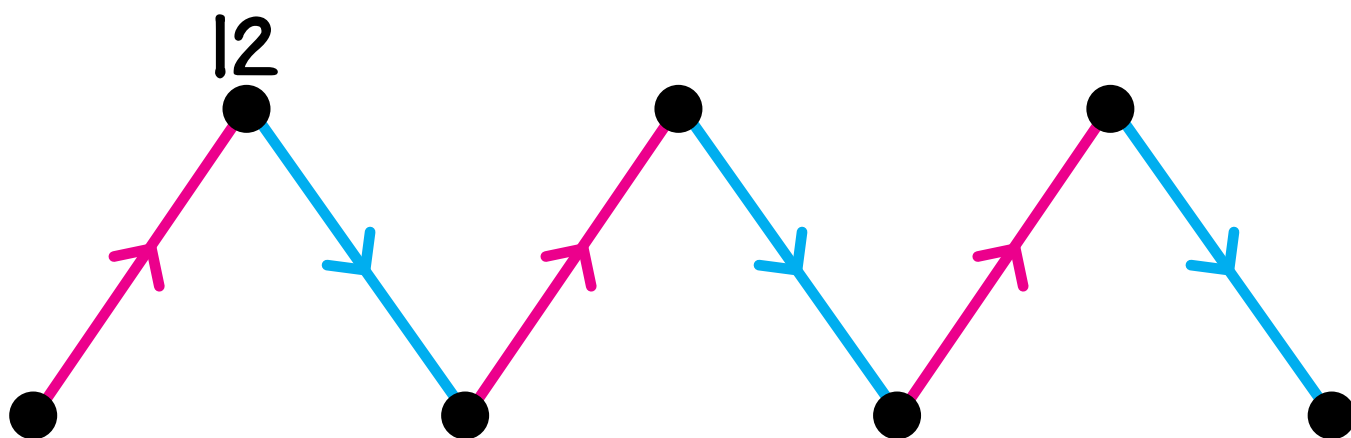
$$\begin{array}{r} 512 \\ +329 \\ \hline \end{array}$$

$$\begin{array}{r} 321 \\ +284 \\ \hline \end{array}$$

Label the dots. Draw  $+9$  arrows in green.

$+10$

$-1$



Complete.

$$\begin{array}{r} 2 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 35 \\ +9 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ +9 \\ \hline \end{array}$$



Code

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

Decode.

$$\overline{12-4}$$

$$\overline{3 \times 5}$$

$$\overline{24-1}$$

$$\overline{4 \times 5}$$

$$\overline{10-9}$$

$$\overline{2 \times 6}$$

$$\overline{7+5}$$

$$\overline{20-19}$$

$$\overline{2 \times 9}$$

$$\overline{10-5}$$

$$\overline{5 \times 5}$$

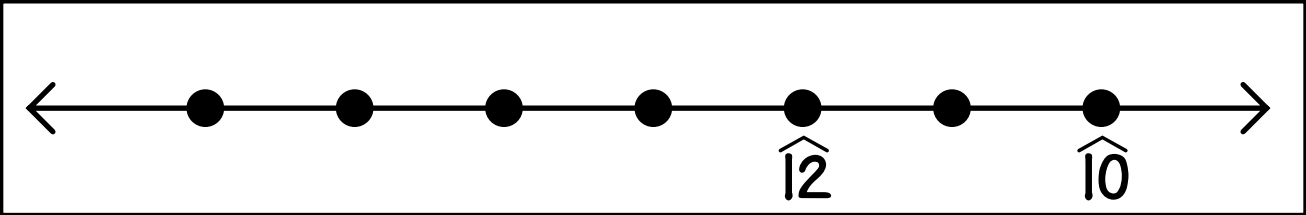
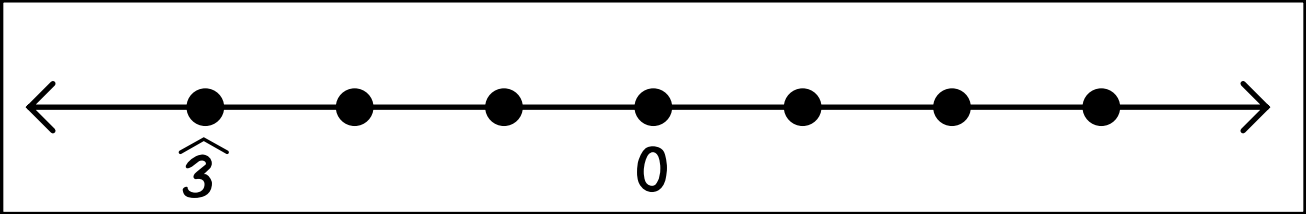
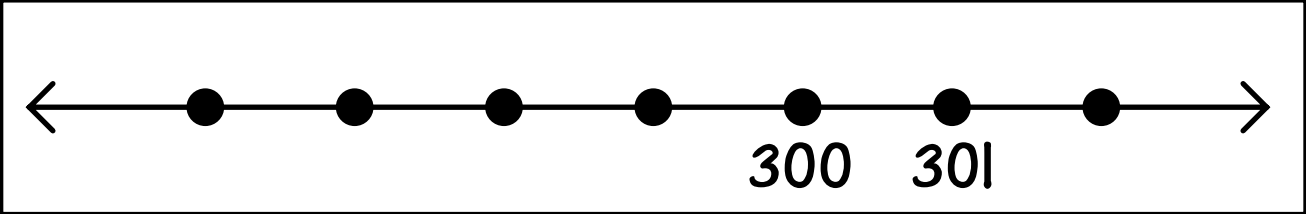
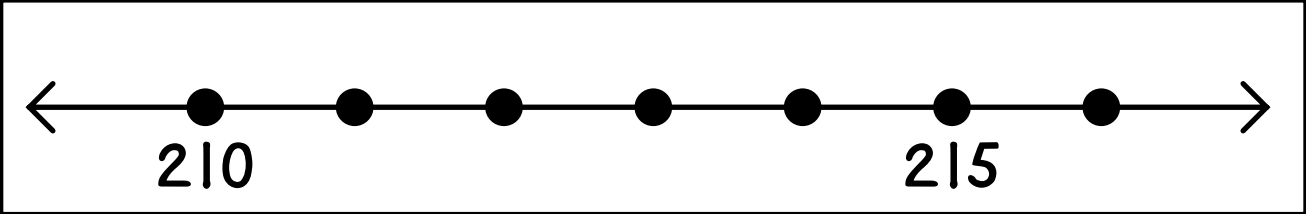
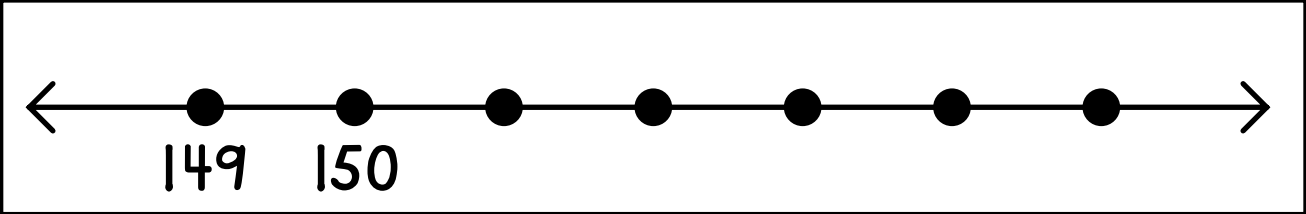
$$\overline{8+7}$$

$$\overline{30-9}$$

?

Answer: \_\_\_\_\_ cm

Label the dots on these number lines.



Build an arrow road from 6 to 81 using  $+10$  and  $+1$  arrows.

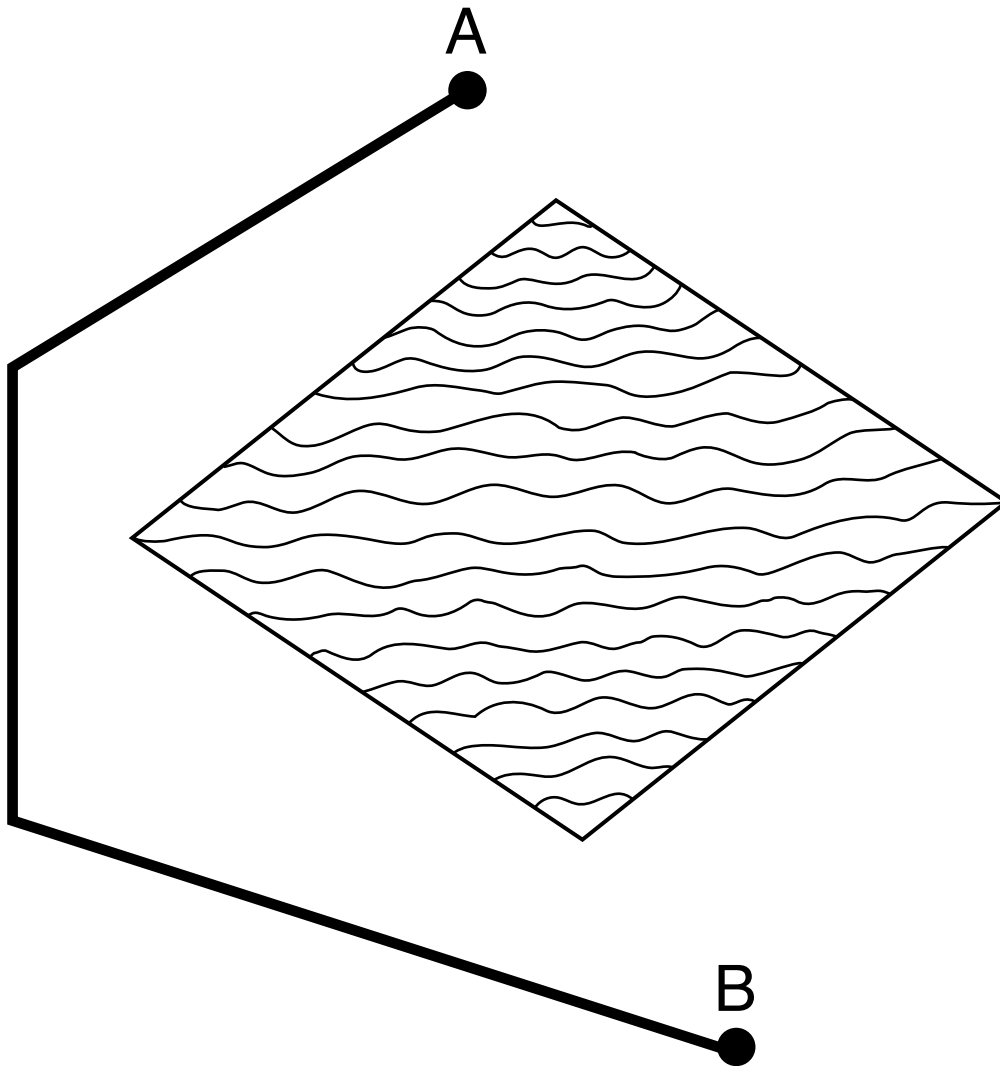
6  
●

$+10$

$+1$

● 81

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



Try to find a shorter zigzag path — do not go in the water.  
Draw it.

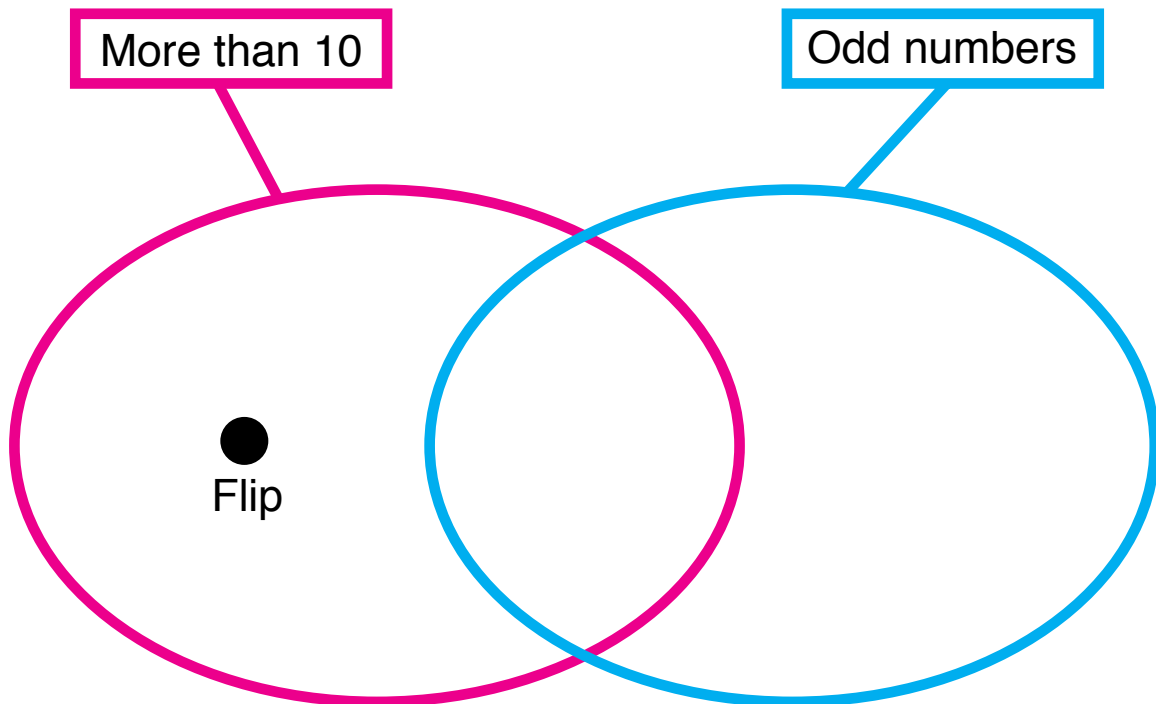
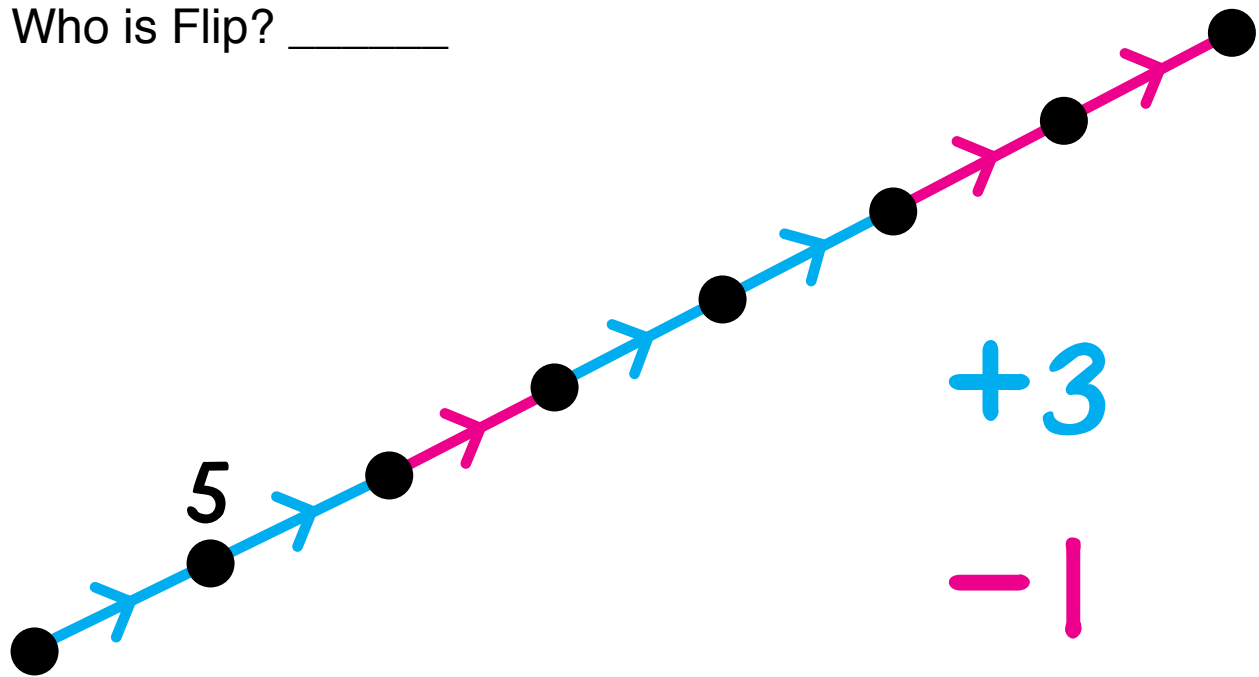
How long is your path? \_\_\_\_\_ cm

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

Flip is a secret number.

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

Who is Flip? \_\_\_\_\_



Write number facts for each number. One is done for you.

9

$$6+3$$

---

---

---

---

12

$$2 \times 6$$

---

---

---

---

100

$$\frac{1}{2} \times 200$$

---

---

---

---

25

$$26-1$$

---

---

---

---

What number is on the Minicomputer?


	●

=
 $1 + \overset{\wedge}{1} =$ 


---


	●
	⊕

=


---


●	
	⊕

=


---


⊕	
	●

=


---

	●

⊕	

=


---

	⊕

●	

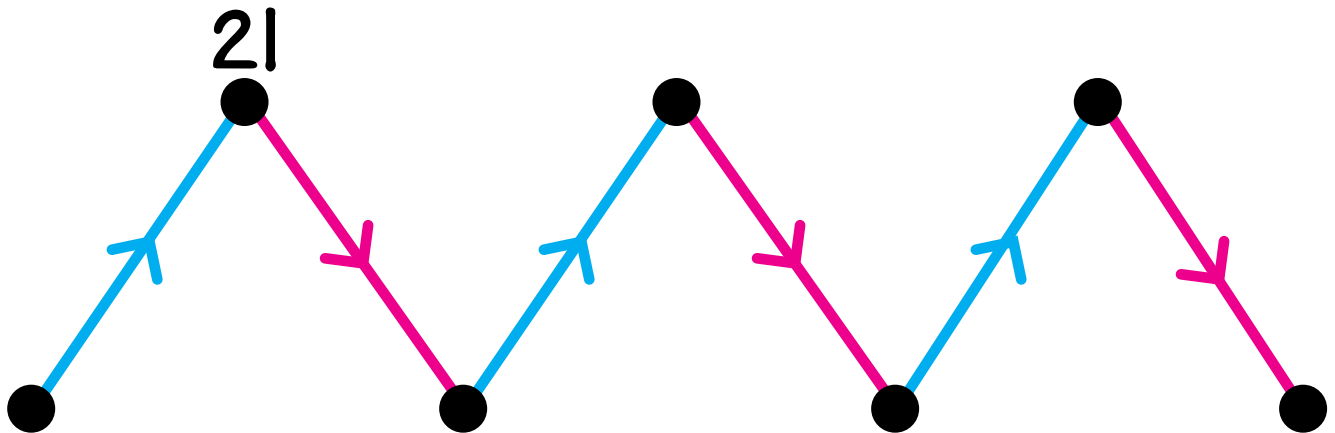
=


---

Label the dots. Draw  $-9$  arrows in yellow.

$-10$

$+1$



Complete.

$$\begin{array}{r} 21 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 18 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ -9 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ -9 \\ \hline \end{array}$$



Ms. Cary’s class made a graph of the way the students get to school. Each student put an x in the graph.

X			
X			
X			
X		X	
X	X	X	
X	X	X	
X	X	X	
X	X	X	
X	X	X	X
X	X	X	X
Bus	Car	Walk	Bike

What way do the most students use to get to school? \_\_\_\_\_

Do more students come by car or walk to school? \_\_\_\_\_

How many students walk to school? \_\_\_\_\_

How many students do not ride the bus? \_\_\_\_\_

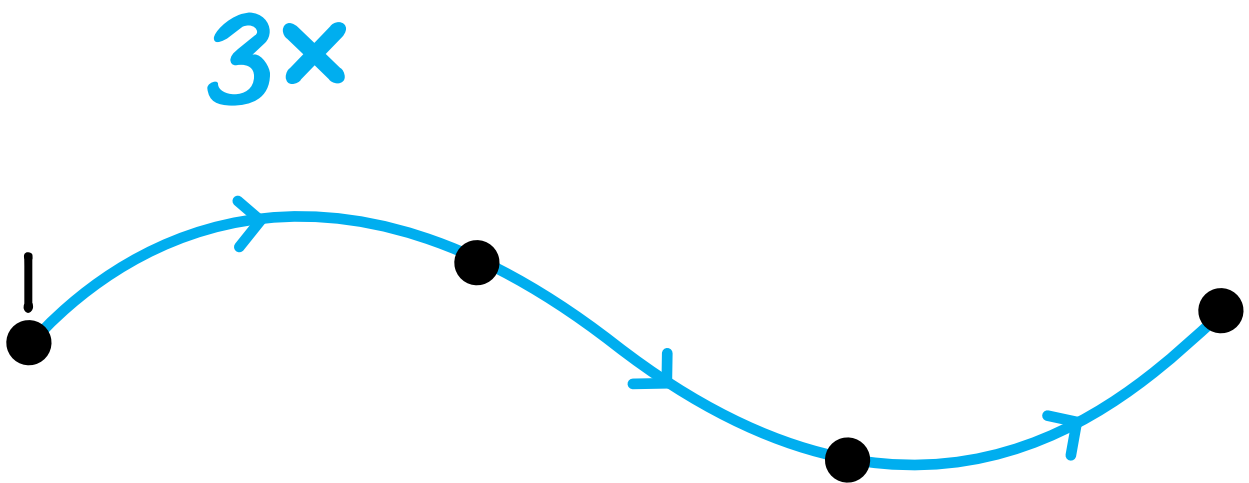
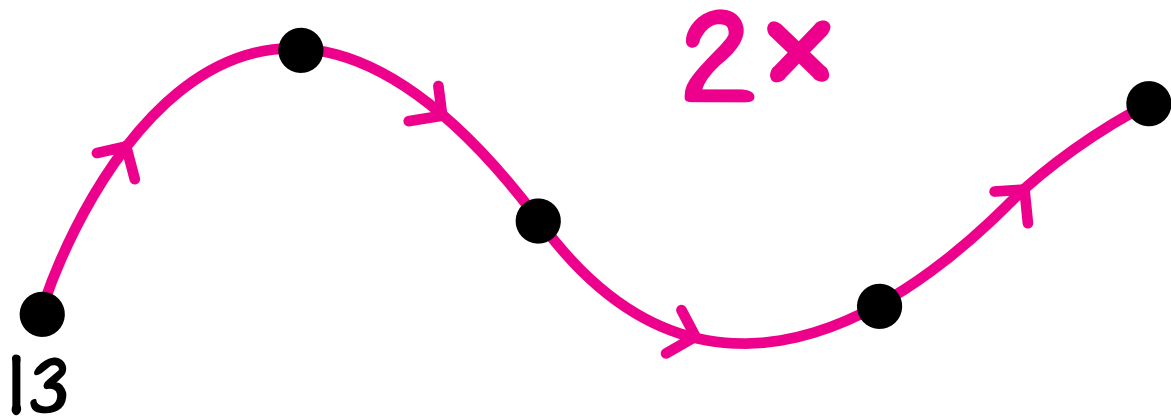
Where would you put an x in the graph? Why? \_\_\_\_\_

---



---

Label the dots.



Complete.

$2 \times 50 = \underline{\quad}$

$2 \times 100 = \underline{\quad}$

$3 \times 10 = \underline{\quad}$

$3 \times 100 = \underline{\quad}$

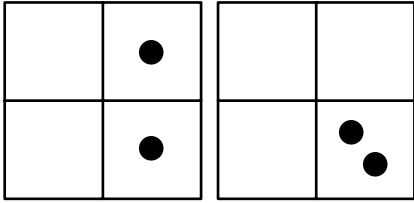
$2 \times 25 = \underline{\quad}$

$2 \times 13 = \underline{\quad}$

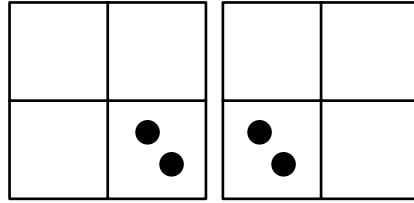
$3 \times 25 = \underline{\quad}$

$3 \times 11 = \underline{\quad}$

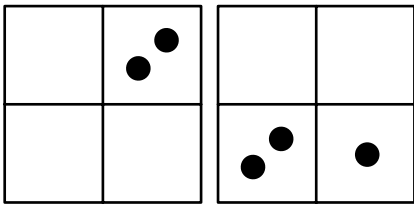
What number is on the Minicomputer?



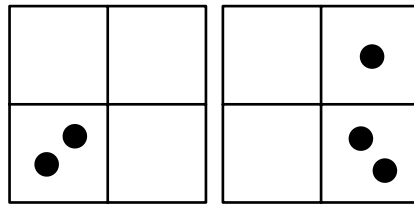
\_\_\_\_\_



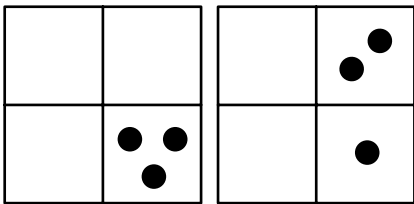
\_\_\_\_\_



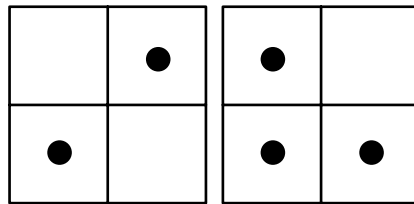
\_\_\_\_\_



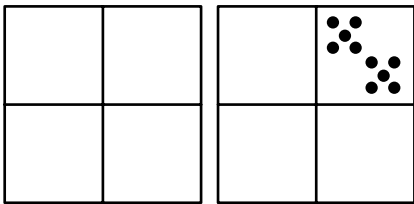
\_\_\_\_\_



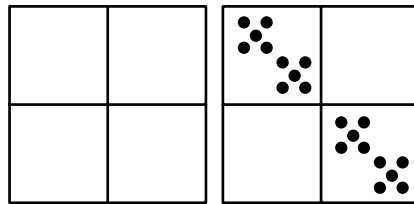
\_\_\_\_\_



\_\_\_\_\_

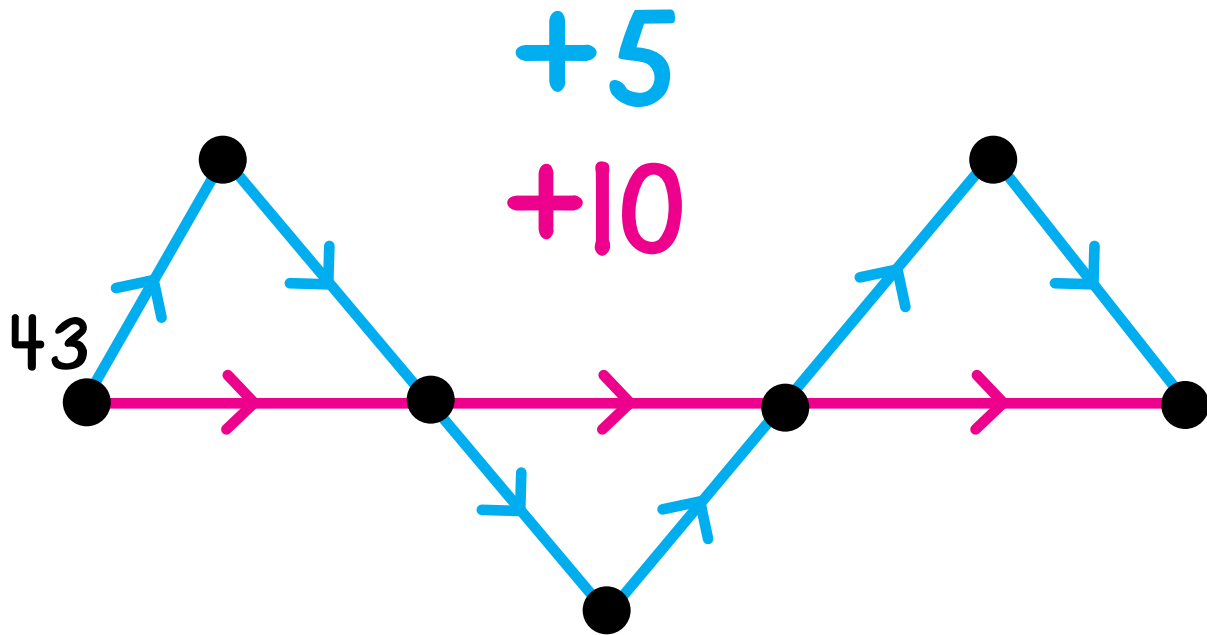


\_\_\_\_\_

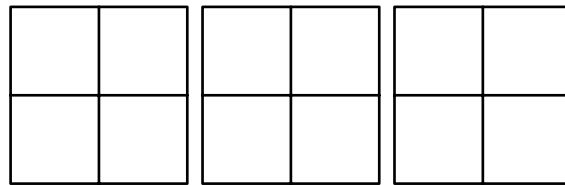


\_\_\_\_\_

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



Muf can be put on the Minicomputer with two checkers.  
Put Muf on the Minicomputer.



Who is Muf? \_\_\_\_\_

## 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

What is the value of each name?

Harry \_\_\_\_\_

Zorba \_\_\_\_\_

Tammy \_\_\_\_\_

Violet \_\_\_\_\_

Find a name with value less than 40.

\_\_\_\_\_

Find a name with value between 50 and 60.

\_\_\_\_\_

Find four ways to put 200 on the Minicomputer.



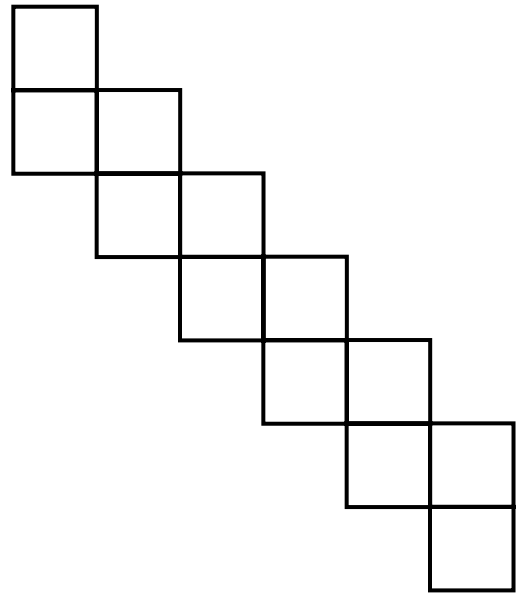
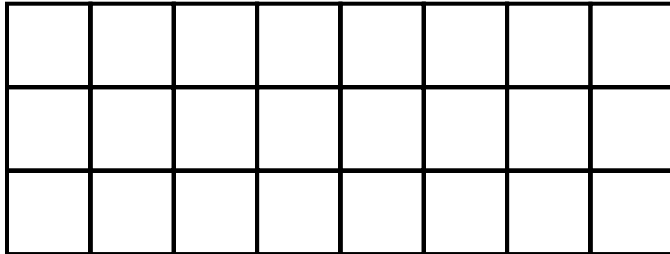


Find four ways to put 2 on the Minicomputer.



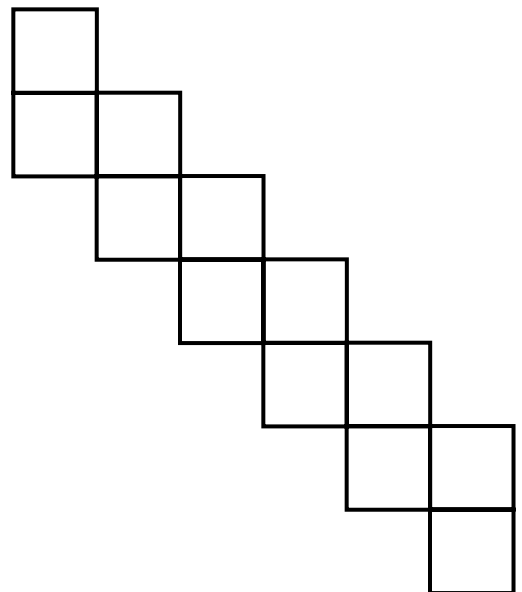
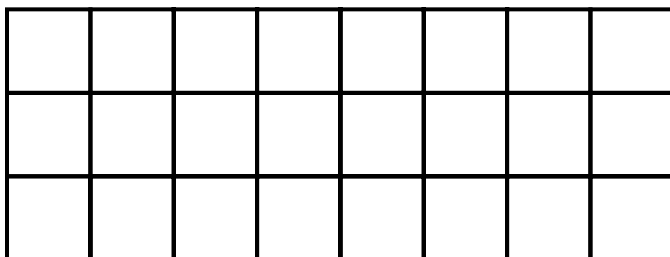


Color one-third of each shape red.

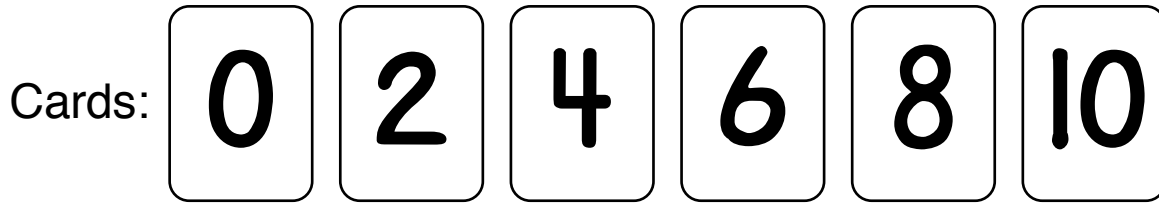


---

Color one-fourth of each shape blue.



## Card Game



Deal out the six cards to two players. Each player gets three cards and adds the numbers.

What is the greatest possible score for one player? \_\_\_\_\_

What is the least possible score for one player? \_\_\_\_\_

Could one player get a score of 10? \_\_\_\_\_

Explain. \_\_\_\_\_

Could one player get a score of 15? \_\_\_\_\_

Explain. \_\_\_\_\_

Could the two players get the same score? \_\_\_\_\_

Explain. \_\_\_\_\_

What are some possible scores? \_\_\_\_\_

Do you think you found all the possible scores? \_\_\_\_\_

Explain. \_\_\_\_\_