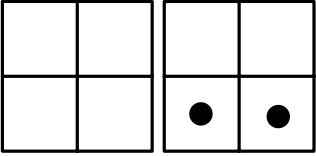
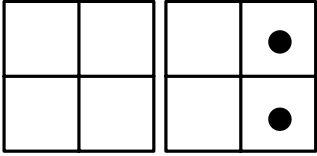
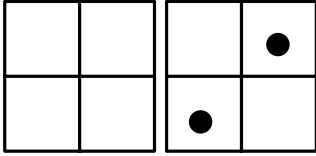
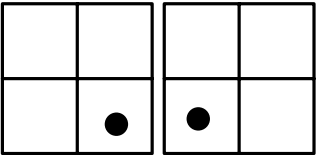
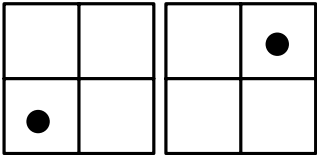
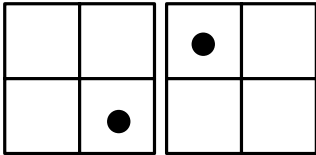
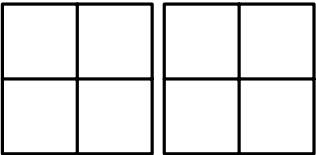
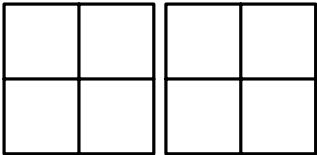
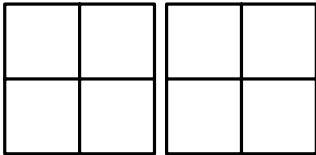
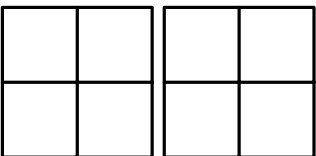
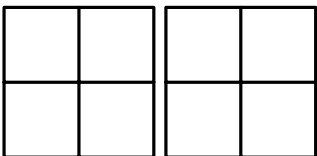
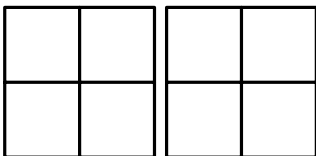


# Festival of Problems #1

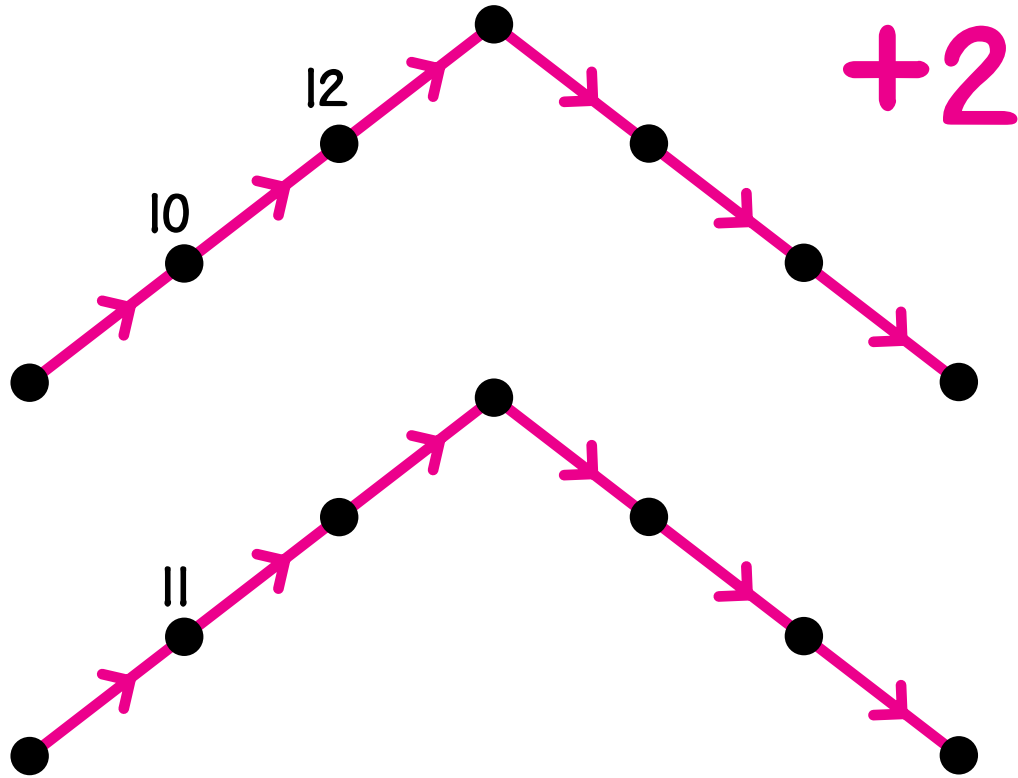
What number is on the Minicomputer?

 _____	 _____	 _____
 _____	 _____	 _____

Put the number on the Minicomputer.

 <b>8</b>	 <b>10</b>	 <b>20</b>
 <b>17</b>	 <b>13</b>	 <b>28</b>

Label the dots.



Complete.

$$\begin{array}{r} 6 \\ + 2 \\ \hline \end{array}$$

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

$$\begin{array}{r} 2 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ + 37 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ + 2 \\ \hline \end{array}$$

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

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

$$\begin{array}{r} 2 \\ + 38 \\ \hline \end{array}$$

$$\begin{array}{r} 98 \\ + 2 \\ \hline \end{array}$$

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

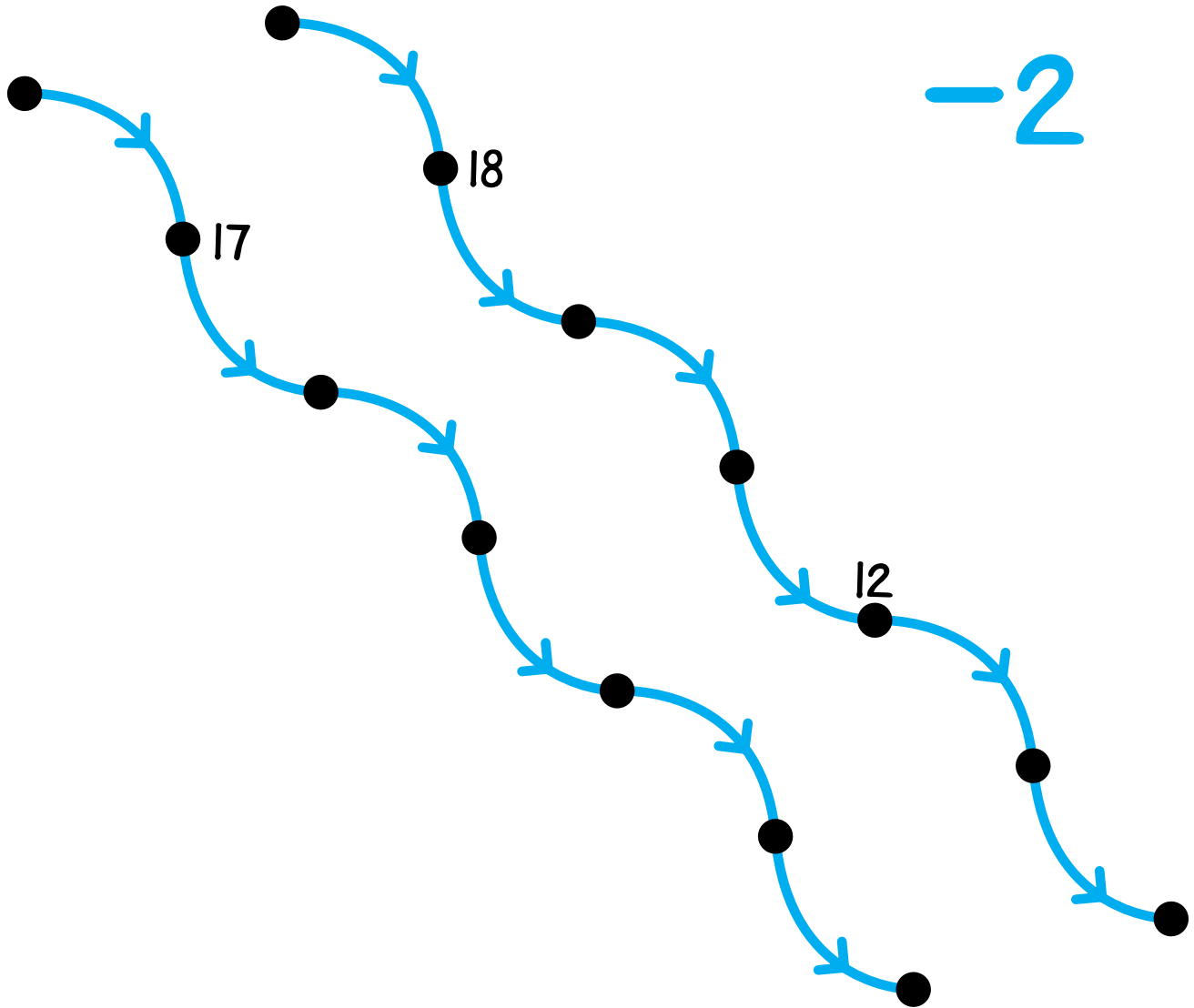
$$\begin{array}{r} 80 \\ + 2 \\ \hline \end{array}$$

$$\begin{array}{r} 81 \\ + 2 \\ \hline \end{array}$$

Complete this numeral chart.

	51		53			56	57		59
60		62	63		65			68	
70		72			75			78	79
	81			84	85		87	88	
90	91		93			96			99
		102	103			106	107		109
110			113	114			117	118	
	121			124		126	127		129

Label the dots.



Complete.

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

$$\begin{array}{r} 36 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 20 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 64 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 19 \\ - 2 \\ \hline \end{array}$$

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

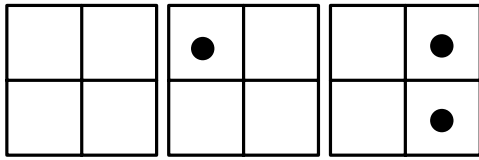
$$\begin{array}{r} 11 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 31 \\ - 2 \\ \hline \end{array}$$

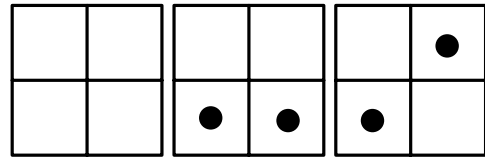
$$\begin{array}{r} 57 \\ - 2 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ - 2 \\ \hline \end{array}$$

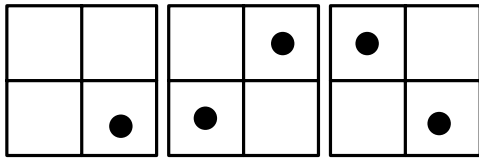
What number is on the Minicomputer?



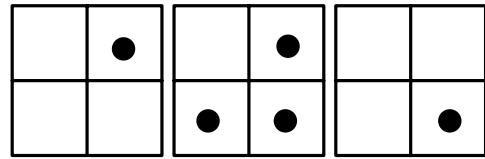
\_\_\_\_\_



\_\_\_\_\_

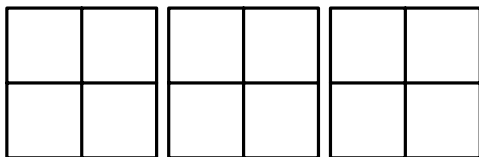


\_\_\_\_\_

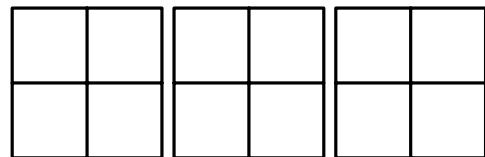


\_\_\_\_\_

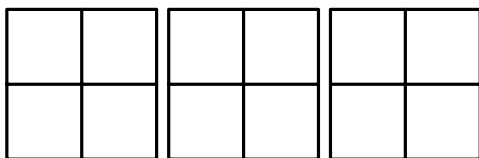
Put the number on the Minicomputer.



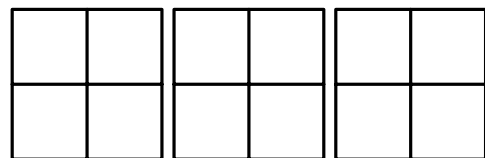
**90**



**504**

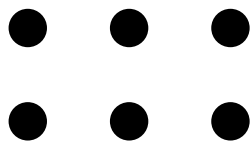


**318**



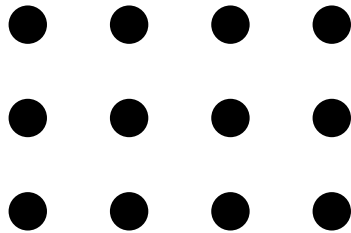
**22**

Complete the multiplication facts for an array of dots.



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

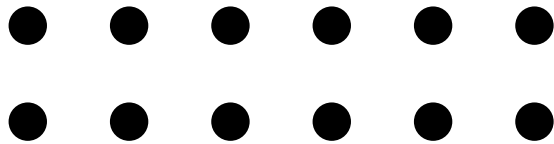
$3 \times 2 = \underline{\hspace{2cm}}$



$3 \times 4 = \underline{\hspace{2cm}}$

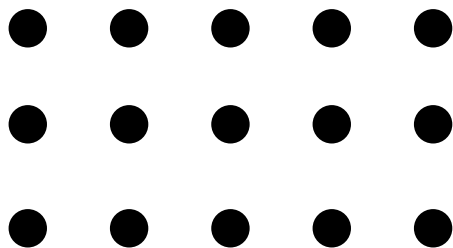
$4 \times 3 = \underline{\hspace{2cm}}$

Write multiplication facts for the array of dots.



$\underline{\hspace{2cm}}$















$\underline{\hspace{2cm}}$



$\underline{\hspace{2cm}}$

$\underline{\hspace{2cm}}$

How much money?

 	<p>_____ ¢</p>
 	<p>_____ ¢</p>
    	<p>_____ ¢</p>
    	<p>_____ ¢</p>

Alice buys three stickers and each sticker costs 16¢.  
Color the coins she can use to pay for the stickers.

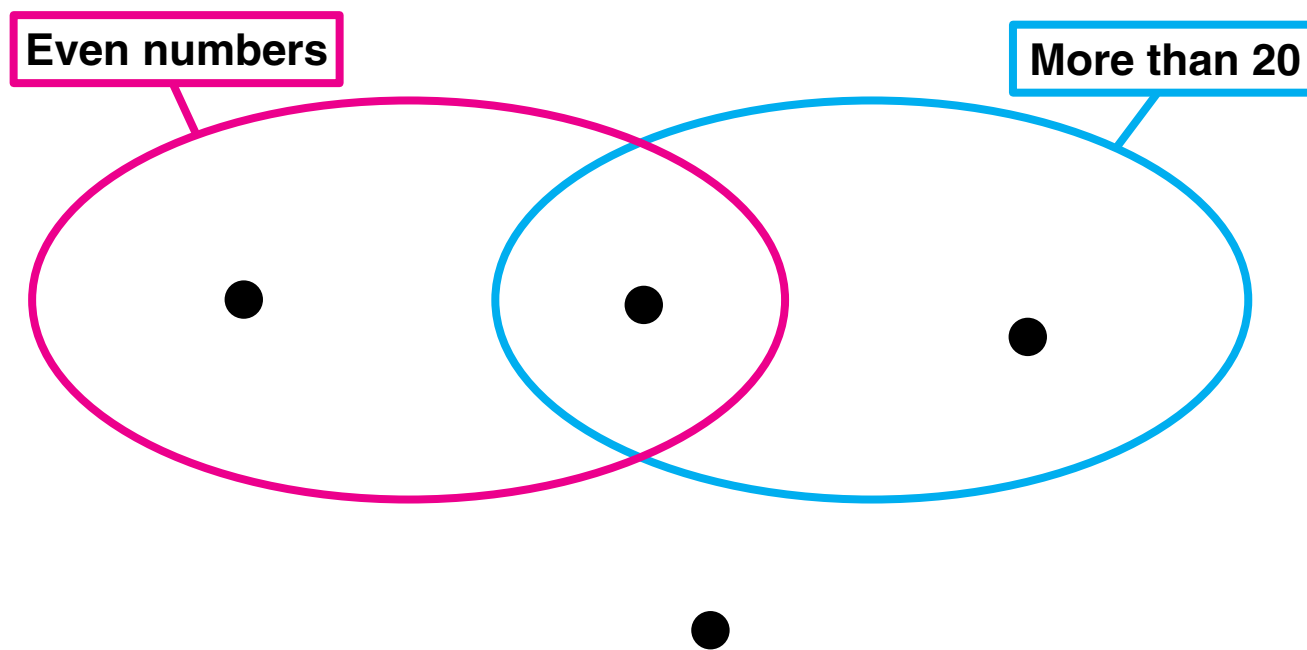
						
						

How much does she spend? \_\_\_\_\_



Label the dots in this picture with these numbers:

12   15   23   30



Put three more numbers of your choice in the picture.

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

+10

+1

62  
●

●  
0

10

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

**20**

$$2 \times 10 = 20$$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**100**

$$200 \div 2 = 100$$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**36**

$$24 + 12 = 36$$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**75**

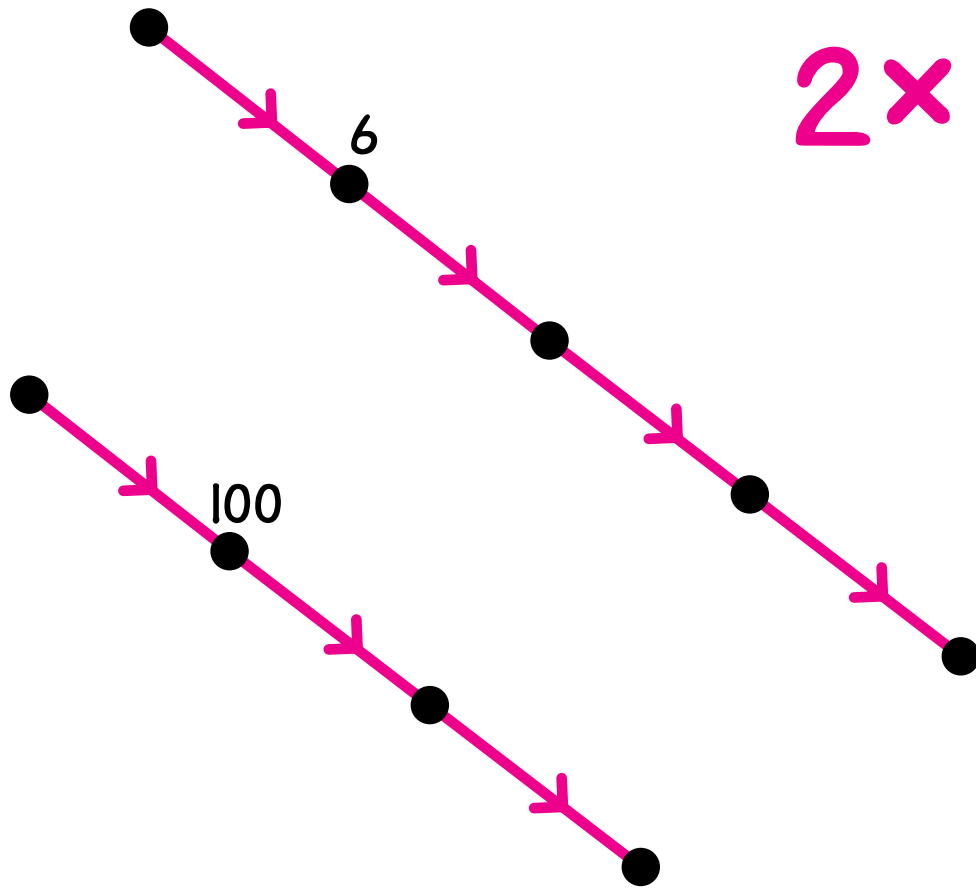
$$80 - 5 = 75$$

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Label the dots.



Complete.

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

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

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

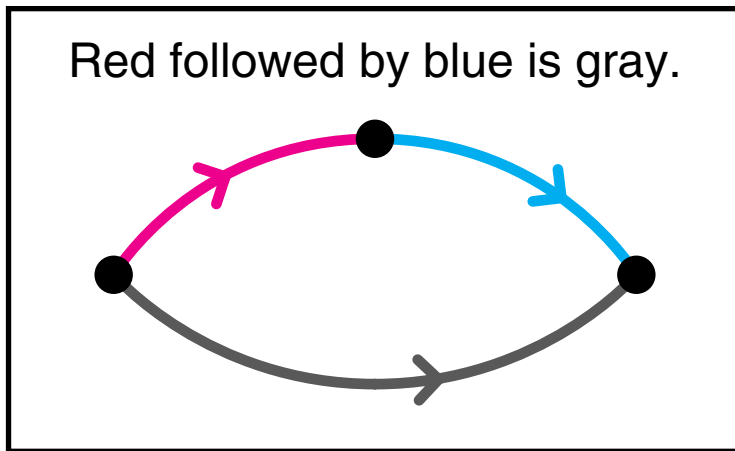
$$2 \times 4 = \underline{\quad}$$

$$2 \times 24 = \underline{\quad}$$

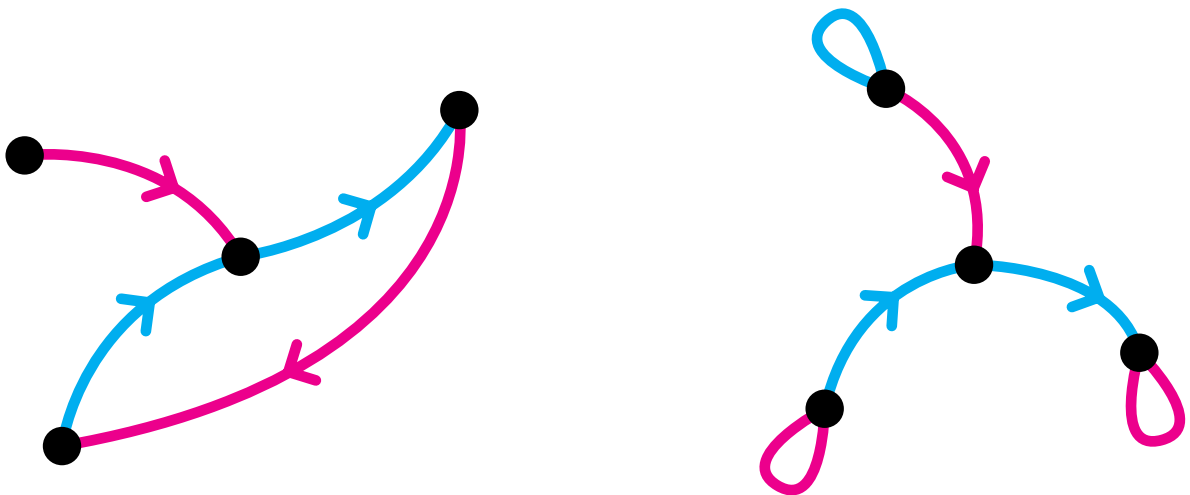
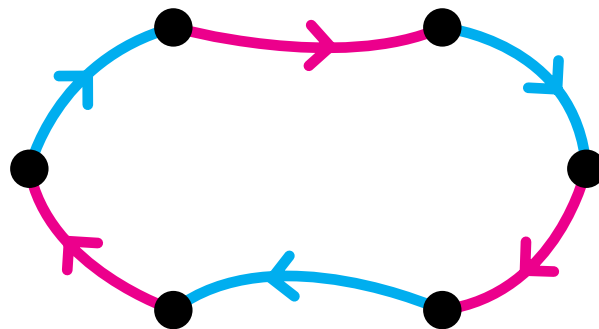
$$2 \times 11 = \underline{\quad}$$

$$2 \times 200 = \underline{\quad}$$

$$2 \times 204 = \underline{\quad}$$



Draw the missing gray arrows (use a pencil).



Complete the addition calculations.

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

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

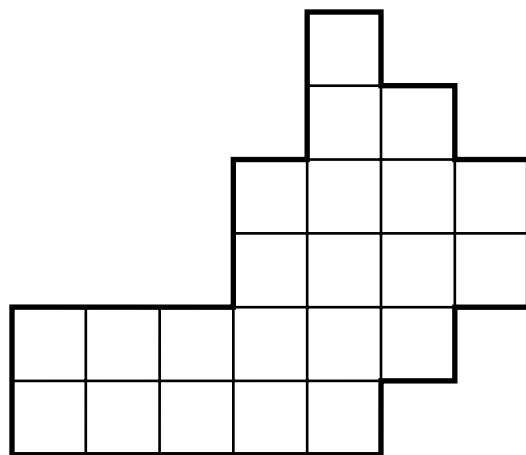
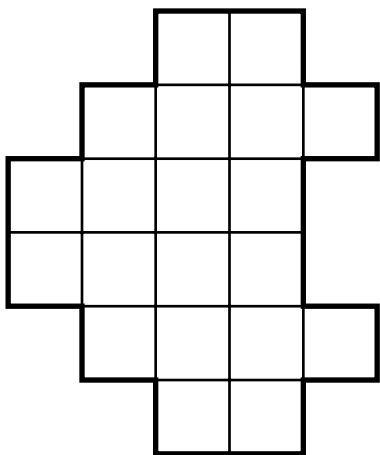
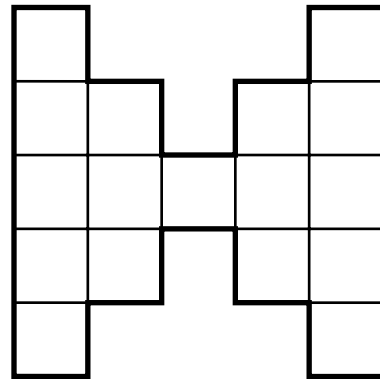
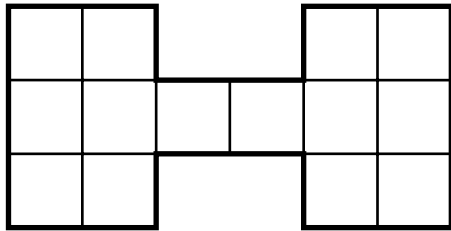
$$\begin{array}{r} 350 \\ + 240 \\ \hline \end{array}$$

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

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

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

Color one-half of each shape red.



Draw all the +5 arrows. One is done for you.

21  
●

26  
●

+5

16 ●

8  
●

● 13

11 ●

6  
●

● 18

28  
●

● 23

Complete.

$$\begin{array}{r} 13 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 38 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 91 \\ + 5 \\ \hline \end{array}$$

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

$$\begin{array}{r} 19 \\ + 5 \\ \hline \end{array}$$

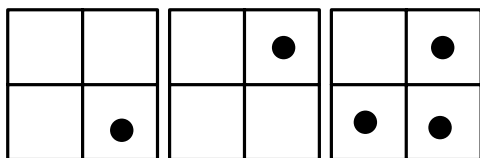
$$\begin{array}{r} 34 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 59 \\ + 5 \\ \hline \end{array}$$

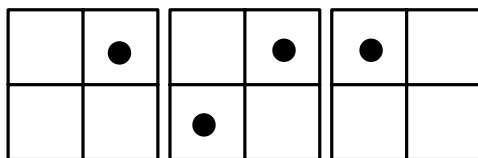


Elf is a secret number.

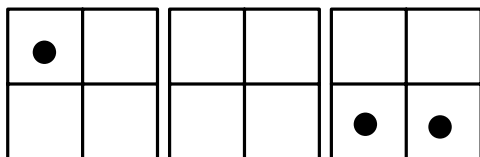
Elf is one of these numbers on the Minicomputer.



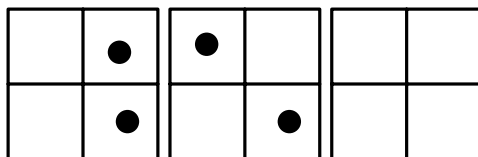
\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

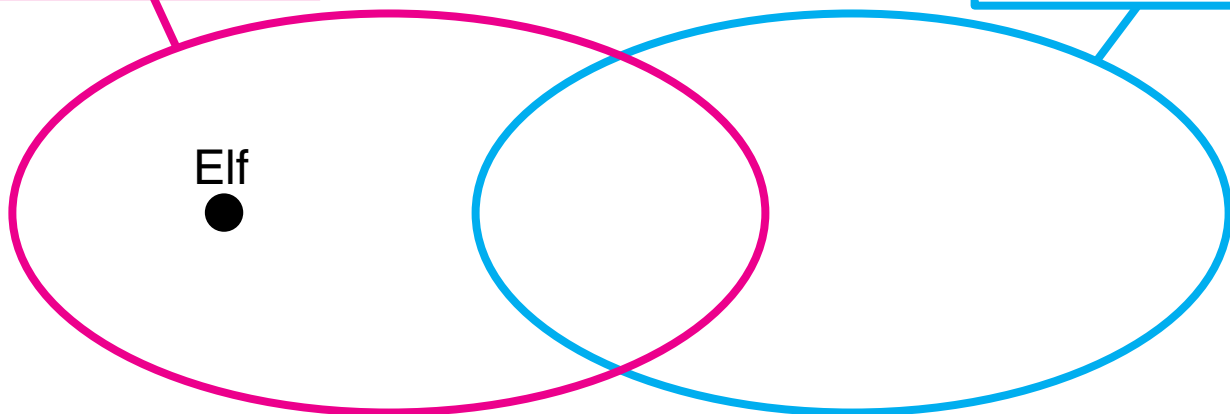


\_\_\_\_\_

Elf is in this string picture.

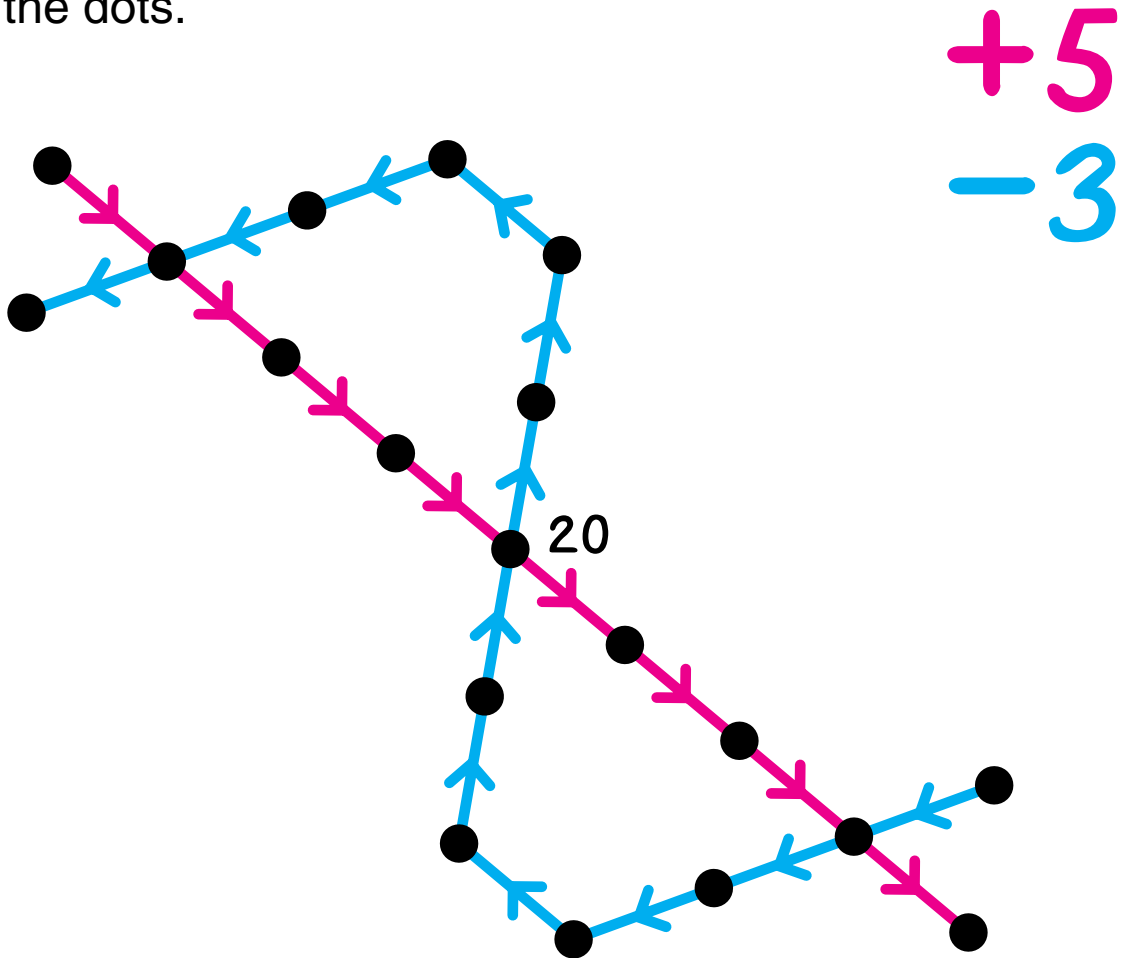
**Odd numbers**

**Less than 500**



Who is Elf? \_\_\_\_\_

Label the dots.



Complete.

$$\begin{array}{r} 19 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 53 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 36 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 21 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 42 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 45 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 58 \\ + 5 \\ \hline \end{array}$$

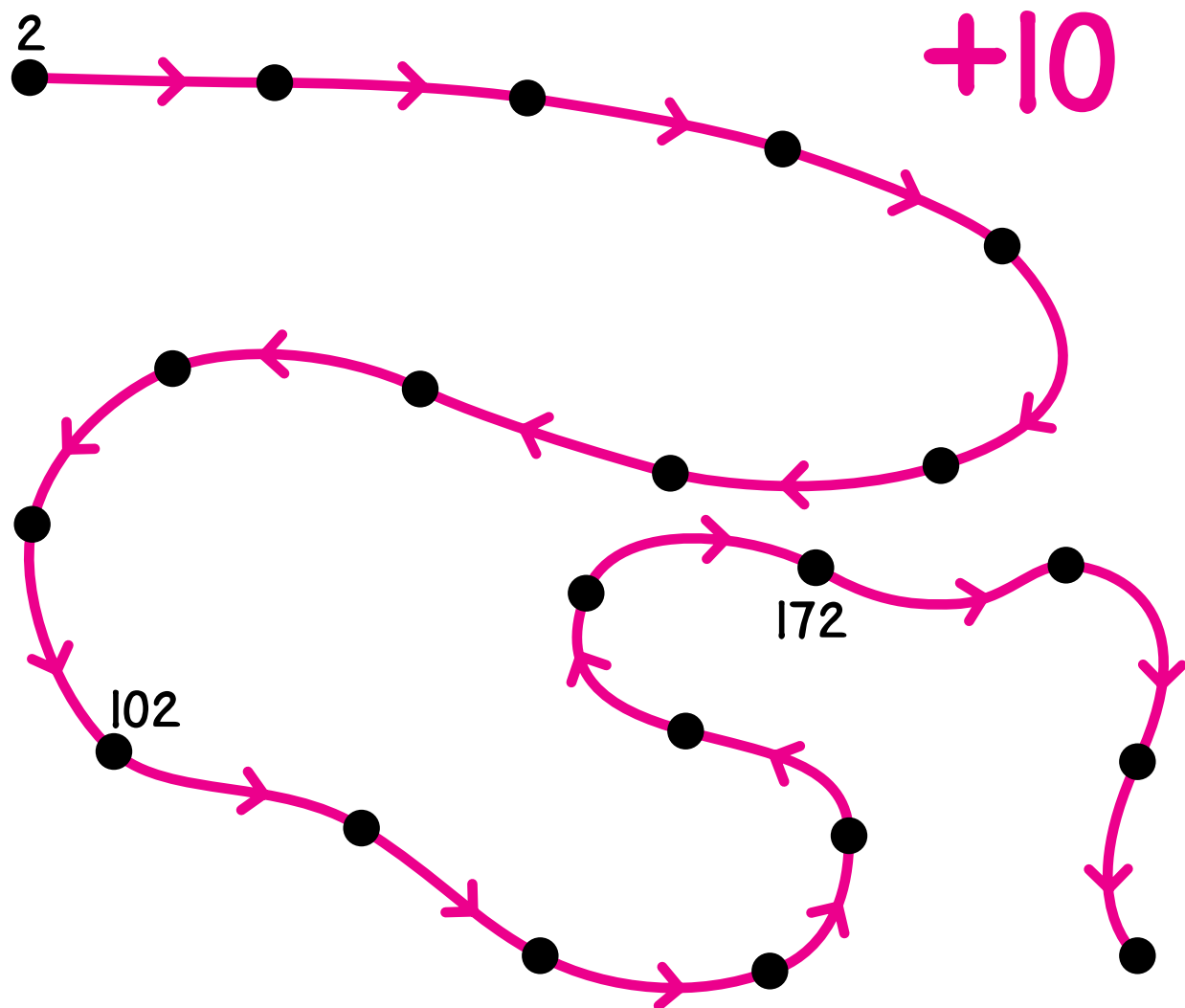
$$\begin{array}{r} 37 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 89 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 70 \\ + 5 \\ \hline \end{array}$$



Label the dots.



Complete.

$$\begin{array}{r} 202 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 43 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 167 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 50 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 174 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 90 \\ \hline \end{array}$$

$$\begin{array}{r} 10 \\ + 31 \\ \hline \end{array}$$

$$\begin{array}{r} 228 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 79 \\ + 10 \\ \hline \end{array}$$

$$\begin{array}{r} 100 \\ + 10 \\ \hline \end{array}$$

Complete these rows of a numeral chart.

120	121			124			127		129
	131	132			135		137	138	
140			143	144		146		148	
		152			155	156		158	159

Complete these pieces of a numeral chart.

90
110

151		153
		165

		95
103		
		115

		139
		158
166		

	175
	199

School Supplies		
Pencil	—	8¢
Paper	—	25¢
Eraser	—	7¢
Folder	—	17¢
Tape	—	20¢

Dora buys one paper and one folder. How much? \_\_\_\_\_

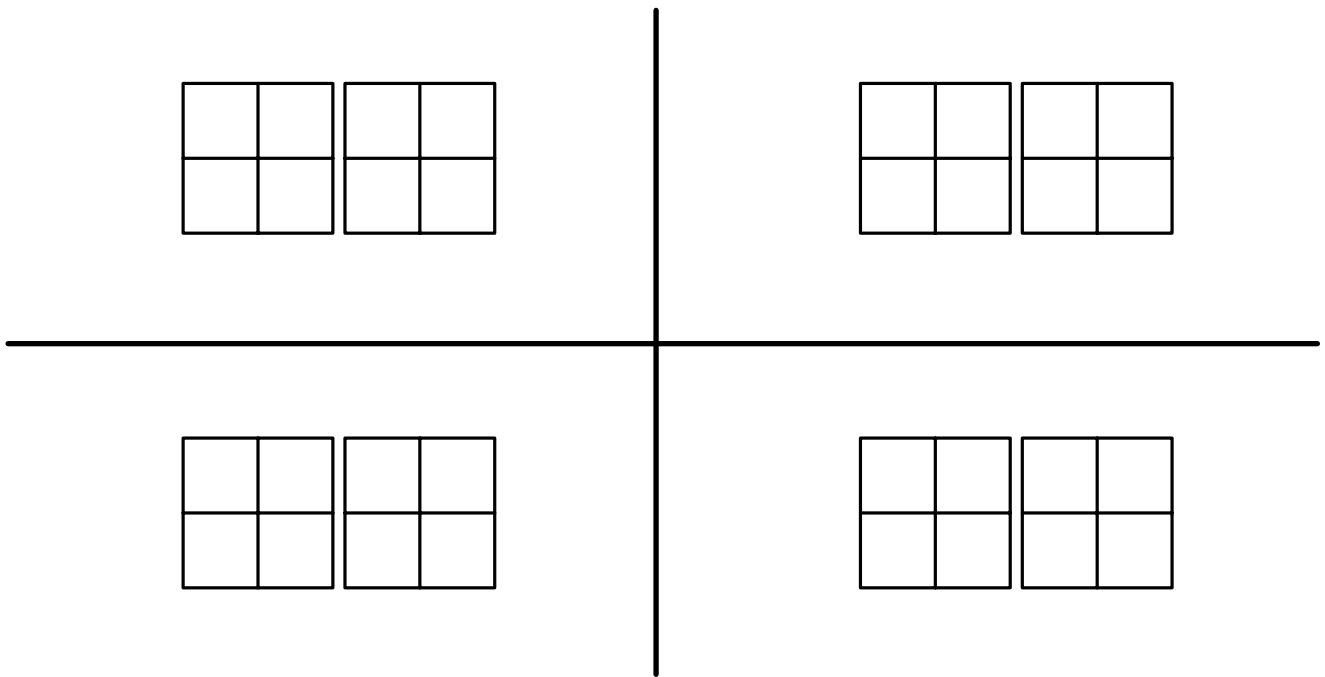
Eric spent 40¢. What did he buy? \_\_\_\_\_

How much would one pencil, one eraser, and one folder cost? \_\_\_\_\_

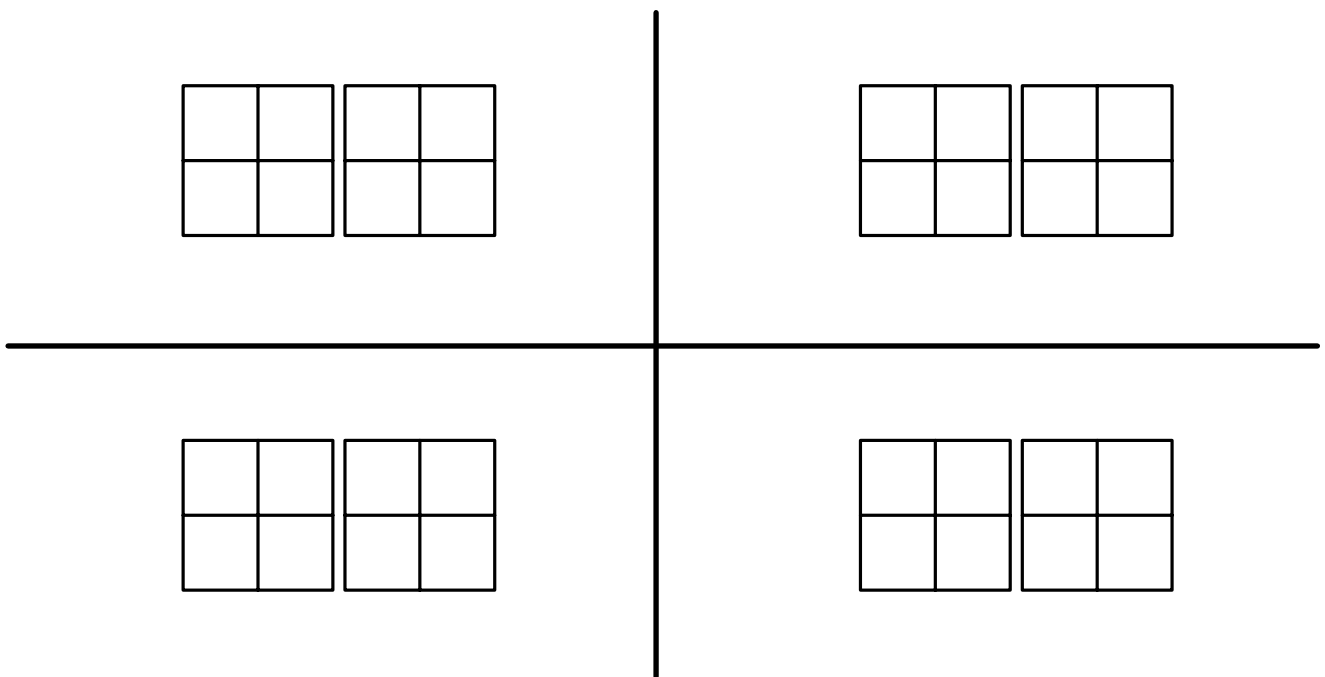
Kasia spent 50¢ on three items. What did she buy? \_\_\_\_\_

Justin has 75¢. He buys two items and gets 30¢ change.  
What does he buy? \_\_\_\_\_

Put 100 on the Minicomputer in four different ways.

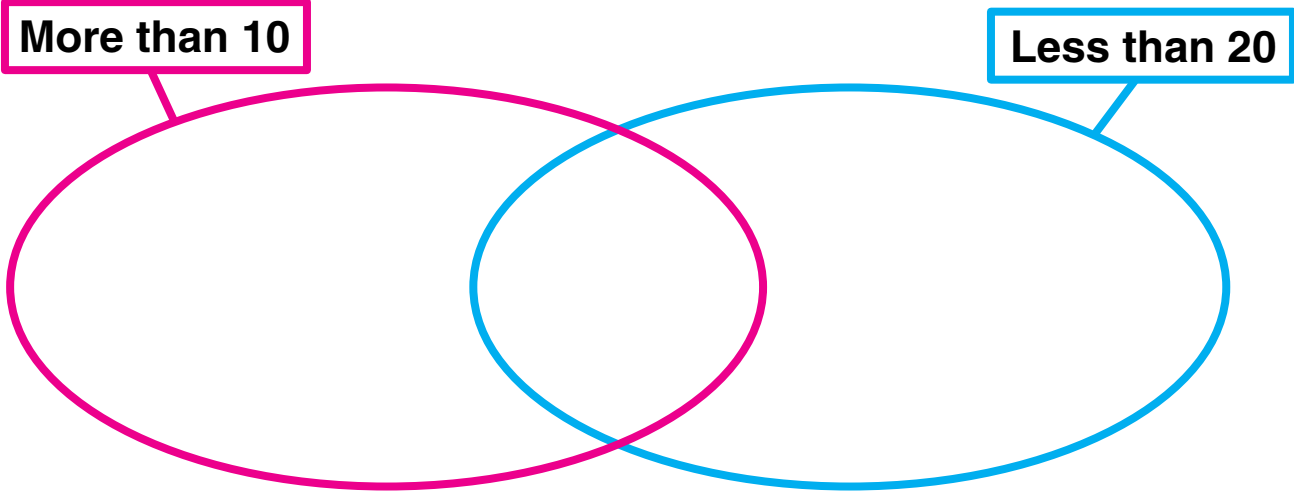


Put 20 on the Minicomputer in four different ways.



Put these numbers in the string picture.

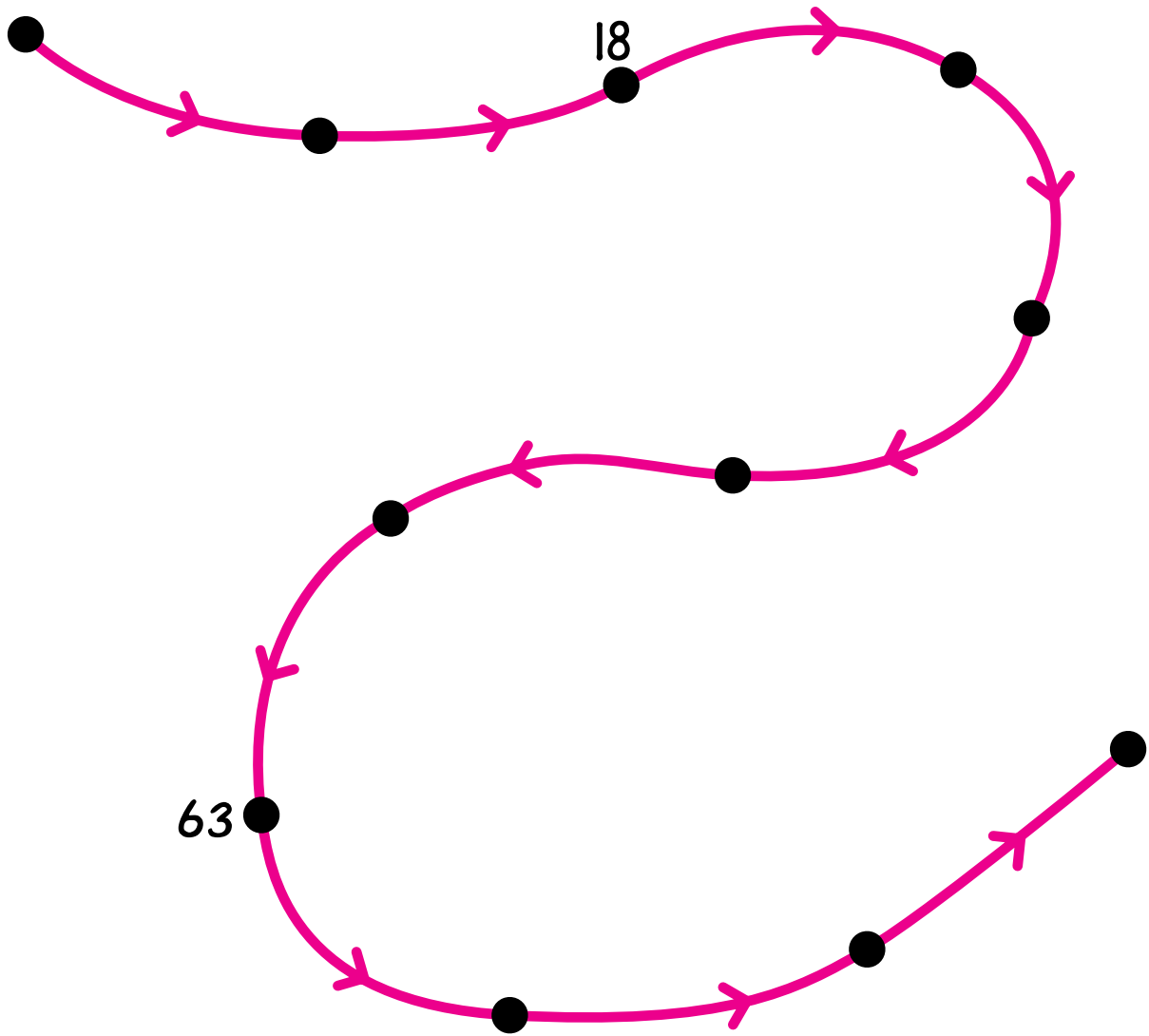
5      10      13      20      24





Label the dots.

+9



Build an arrow road from 0 to 20 using  $2x$  and  $+1$  arrows.

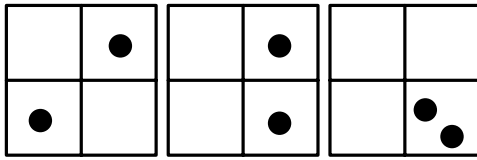
$2x$

$+1$

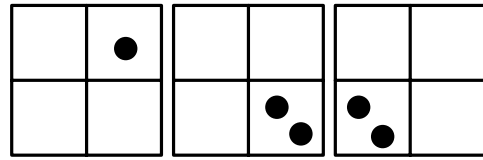
0 ●

●  
20

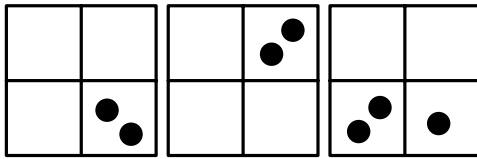
What number is on the Minicomputer?



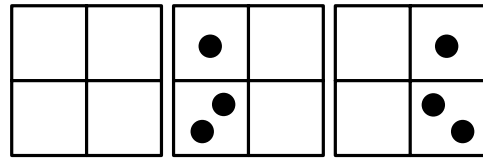
\_\_\_\_\_



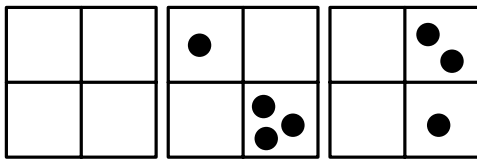
\_\_\_\_\_



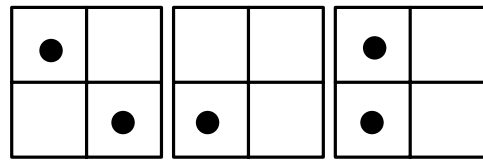
\_\_\_\_\_



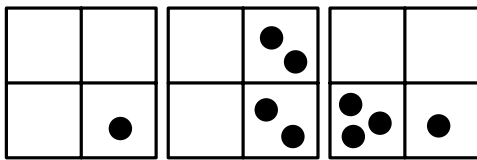
\_\_\_\_\_



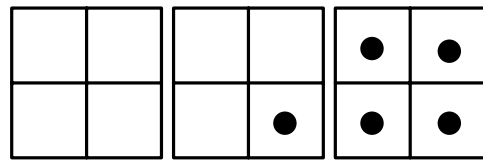
\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_



\_\_\_\_\_

Show ways to make 50¢. One way is given.



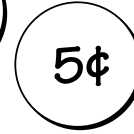
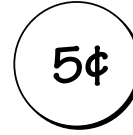
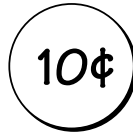
Quarters



Dimes

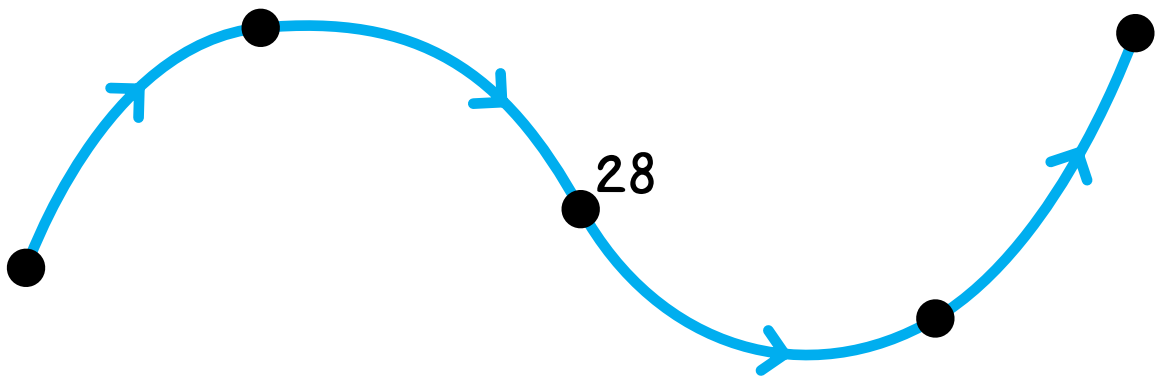
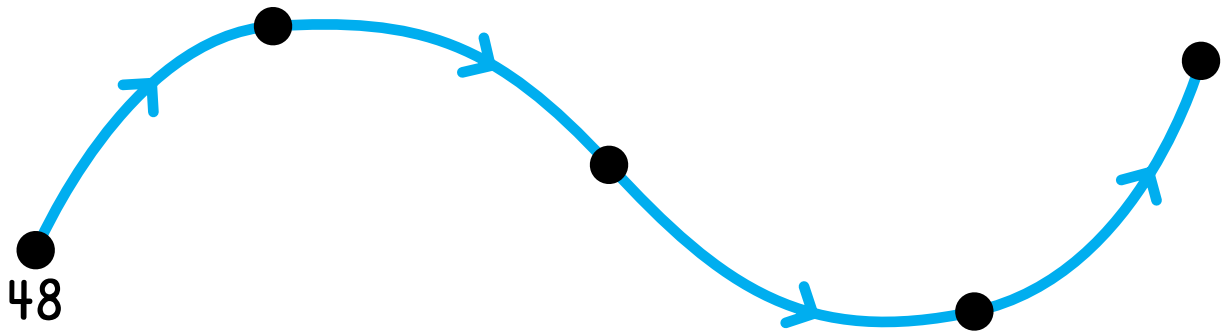


Nickels



Label the dots.

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



Build an arrow road from 0 to 50 using +7 and -4 arrows.

+7

-4

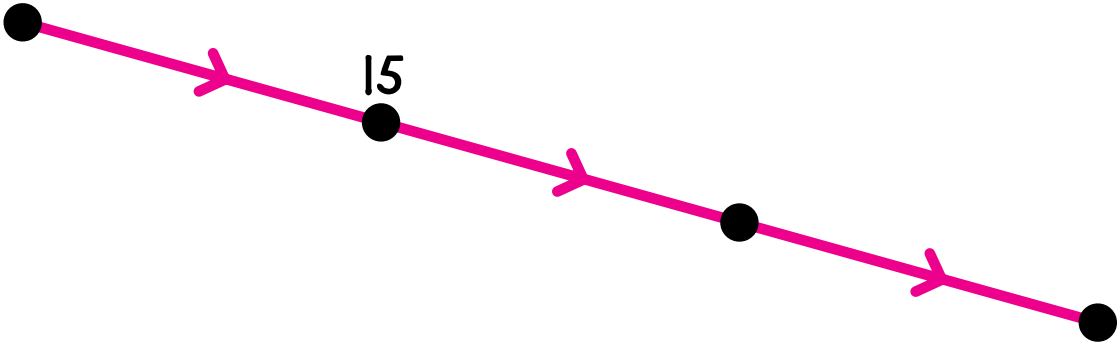
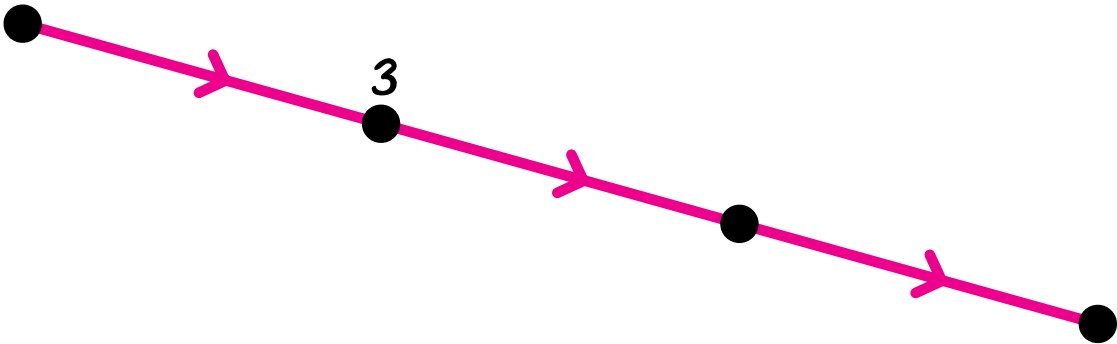
0

●  
50

30

Label the dots.

3x



Put the six number cards 

1
---

2
---

3
---

4
---

5
---

6
---

 in the spaces of this addition problem. Use all the cards, each card once.

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

What is the greatest sum you can get? \_\_\_\_\_

Explain.

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

What is the least sum you can get? \_\_\_\_\_

Explain.

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

How can you get a sum between 500 and 600? \_\_\_\_\_

Explain.

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

How can you get a sum of 615? \_\_\_\_\_

Explain.

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