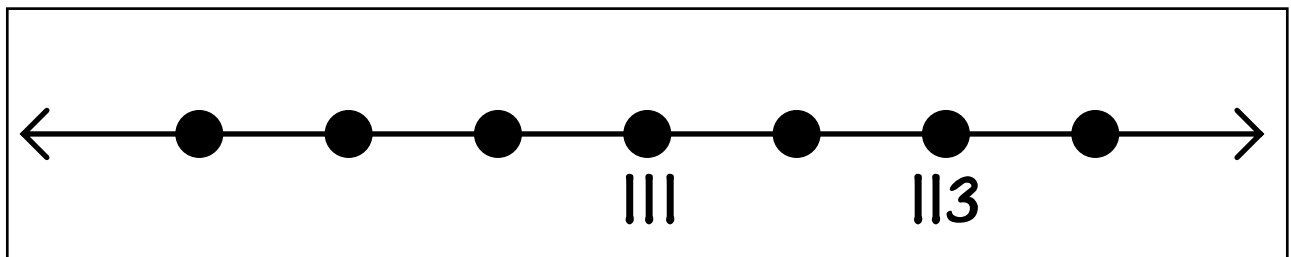
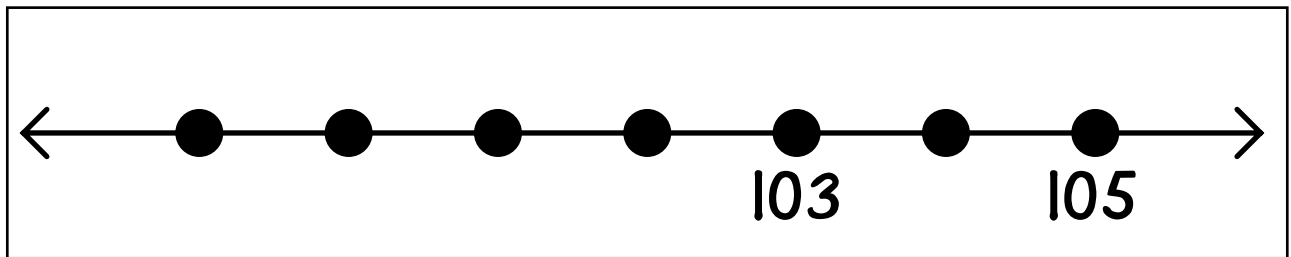
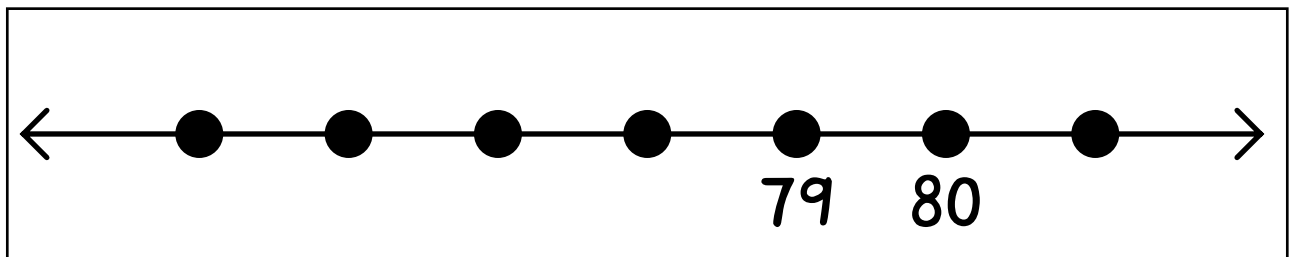
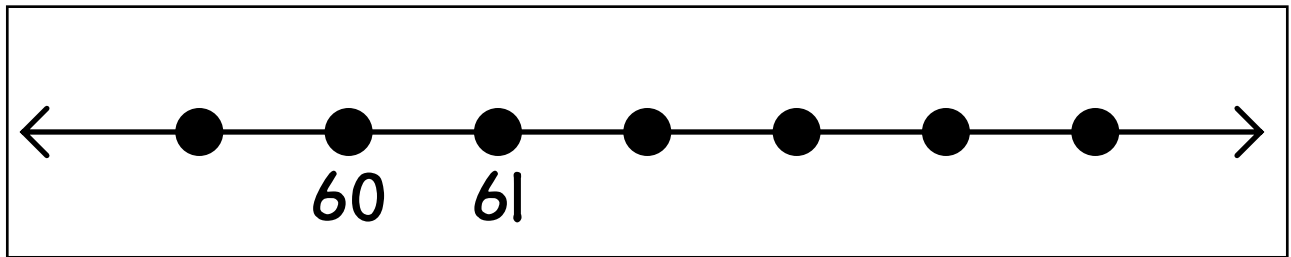
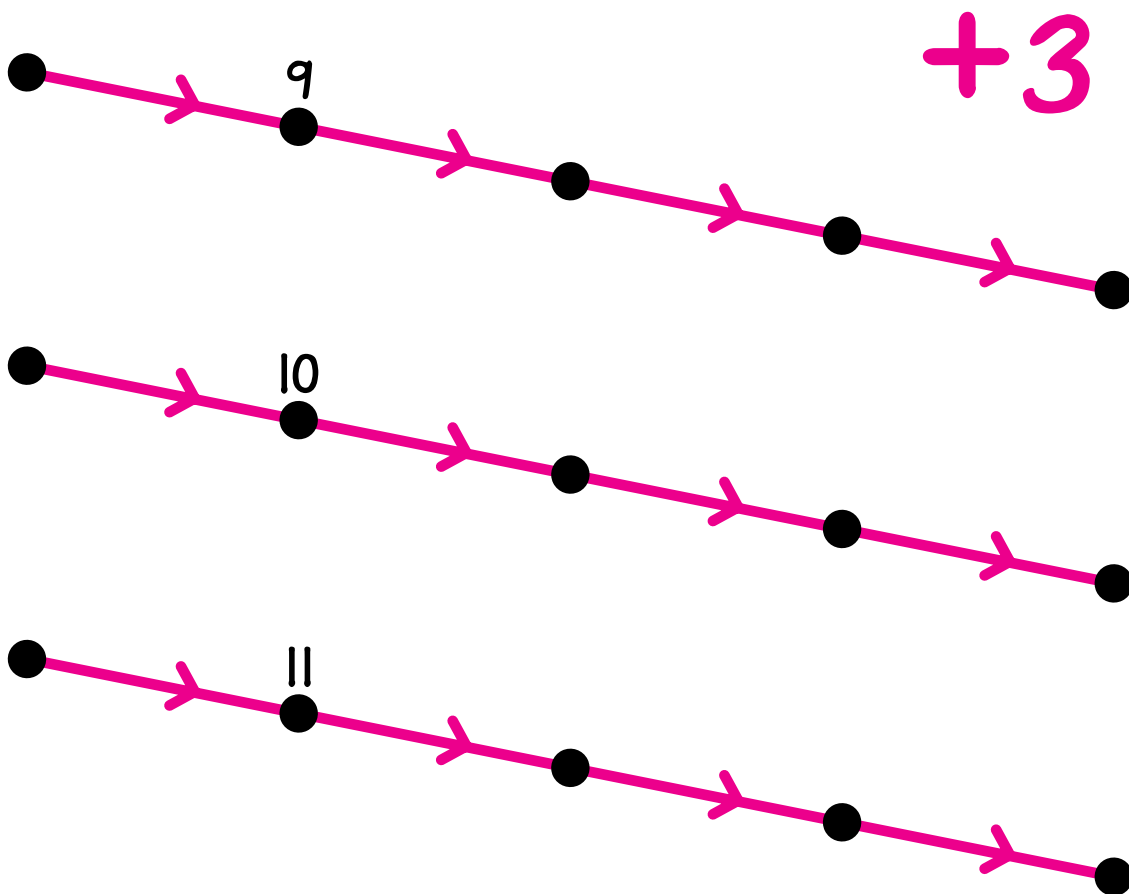


Festival of Problems #2

Label the dots on these number lines.



Label the dots.



Complete.

$$\begin{array}{r} 8 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ + 3 \\ \hline \end{array}$$

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

$$\begin{array}{r} 7 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ + 3 \\ \hline \end{array}$$

$$\begin{array}{r} 15 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ + 6 \\ \hline \end{array}$$

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

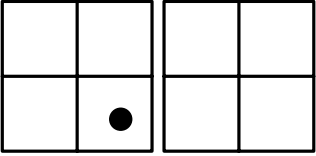
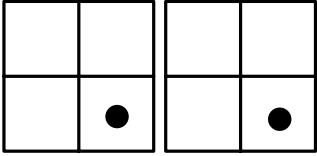
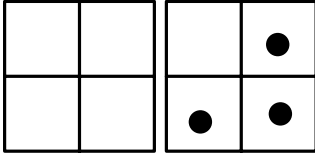
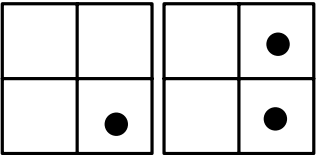
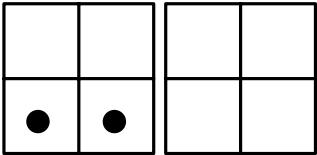
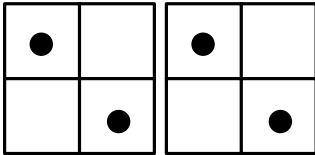
$$\begin{array}{r} 8 \\ + 5 \\ \hline \end{array}$$

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

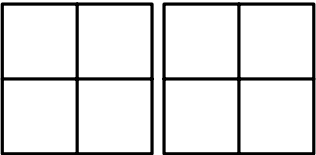
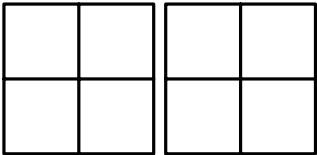
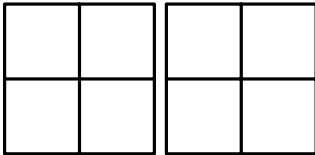
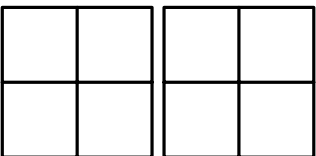
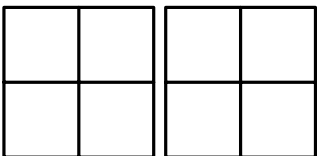
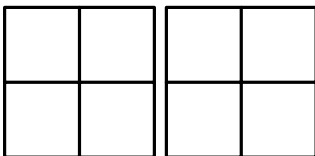
$$\begin{array}{r} 7 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 10 \\ \hline \end{array}$$

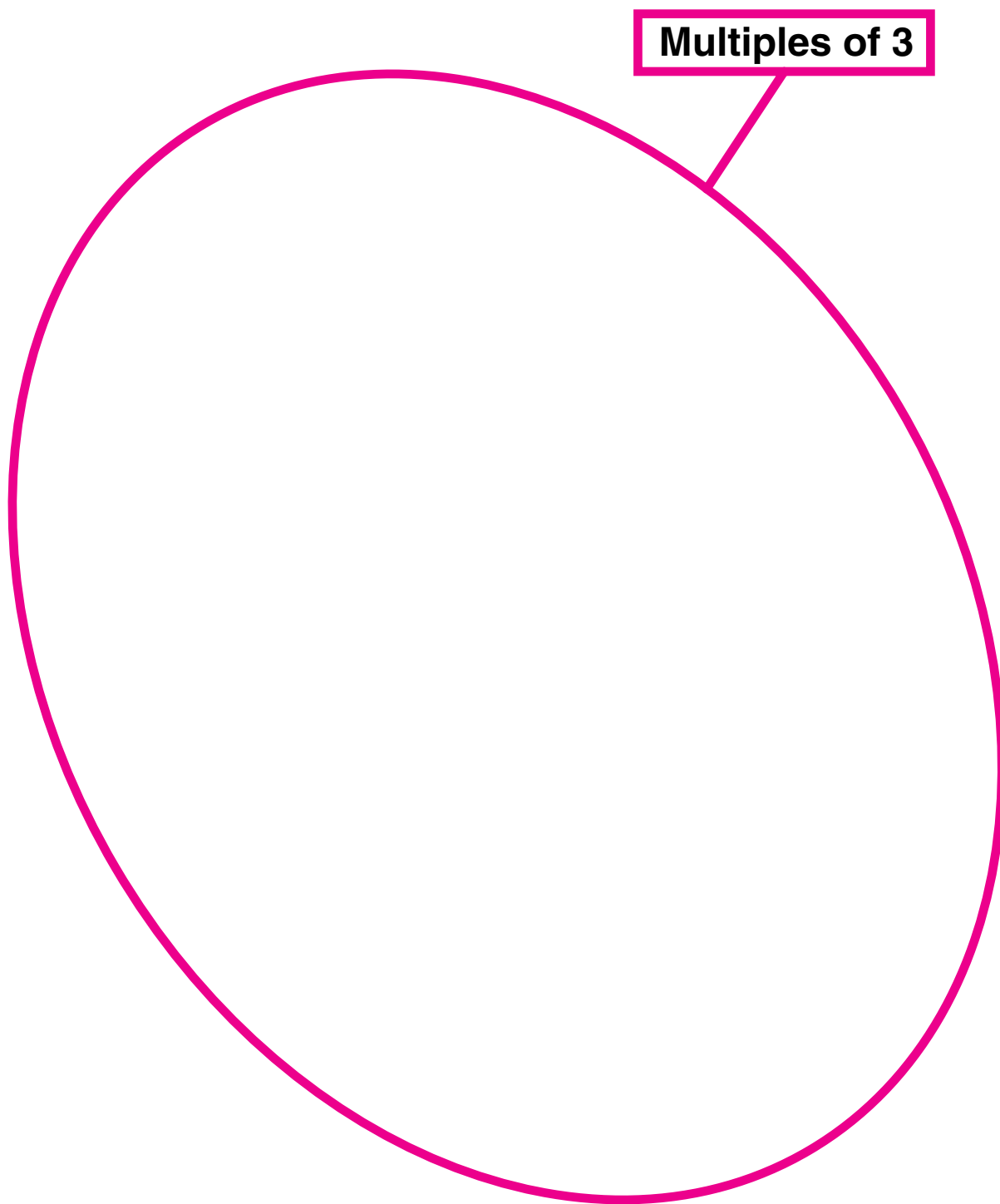
What number is on the Minicomputer?

 _____	 _____	 _____
 _____	 _____	 _____

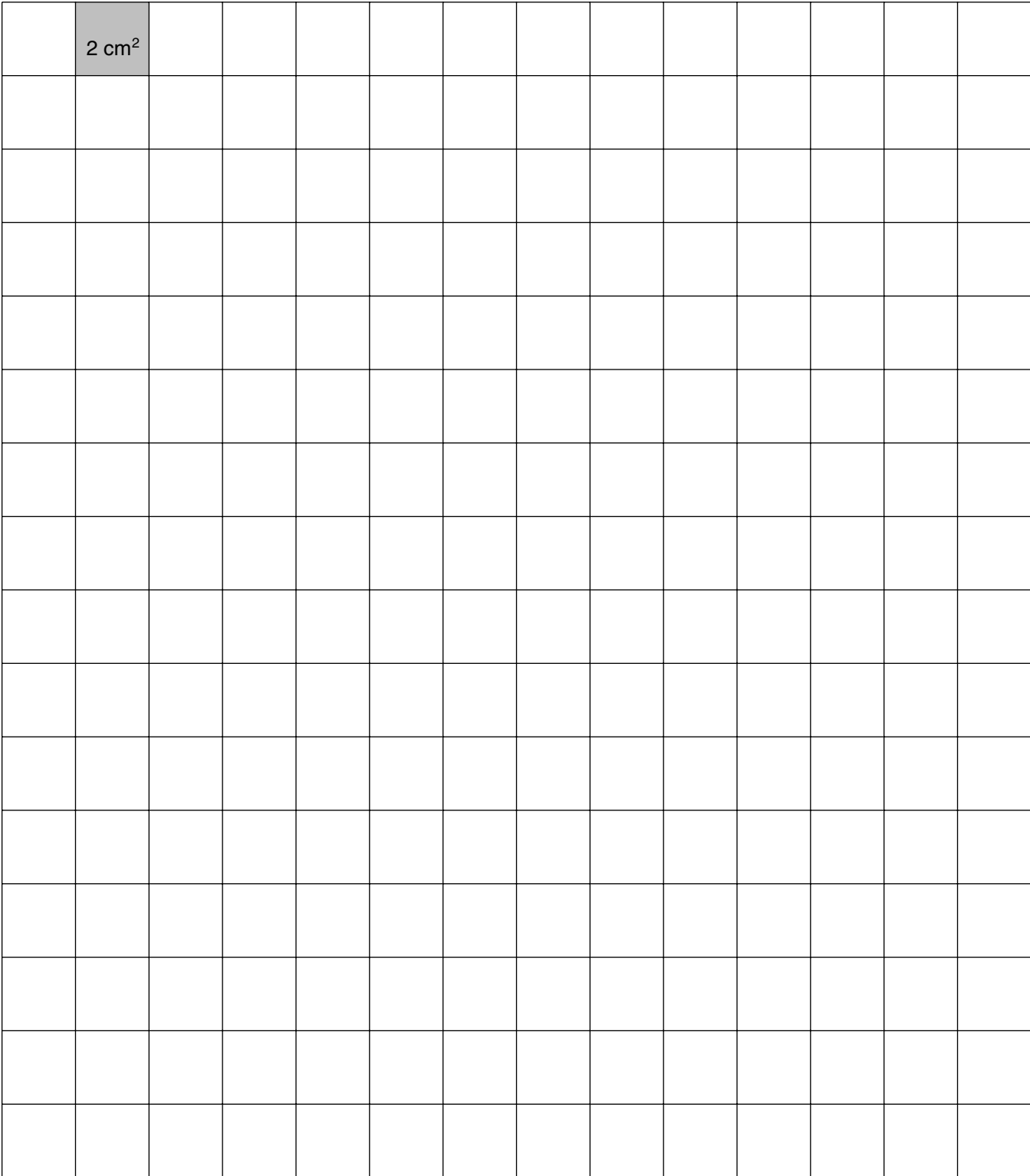
Put the number on the Minicomputer.

 58	 70	 96
 91	 43	 26

Put at least ten numbers in this string picture.



Each little square has area 2 cm^2 .
Color a red shape with area 12 cm^2 .
Color a blue shape with area 18 cm^2 .



How much money?



_____ ¢



_____ ¢



_____ ¢



_____ ¢



_____ ¢



_____ ¢

Build an arrow road from 0 to 43 using +10 and +1 arrows.
Use as few arrows as possible.

+10

+1

43
●

●
0

How many +10 arrows? _____

How many +1 arrows? _____

Add.

$$52 + \widehat{2} = \underline{\hspace{2cm}}$$

$$52 + \widehat{50} = \underline{\hspace{2cm}}$$

$$60 + 33 = \underline{\hspace{2cm}}$$

$$\widehat{34} + \widehat{25} = \underline{\hspace{2cm}}$$

$$\widehat{75} + 25 = \underline{\hspace{2cm}}$$

$$108 + 42 = \underline{\hspace{2cm}}$$

$$139 + \widehat{30} = \underline{\hspace{2cm}}$$

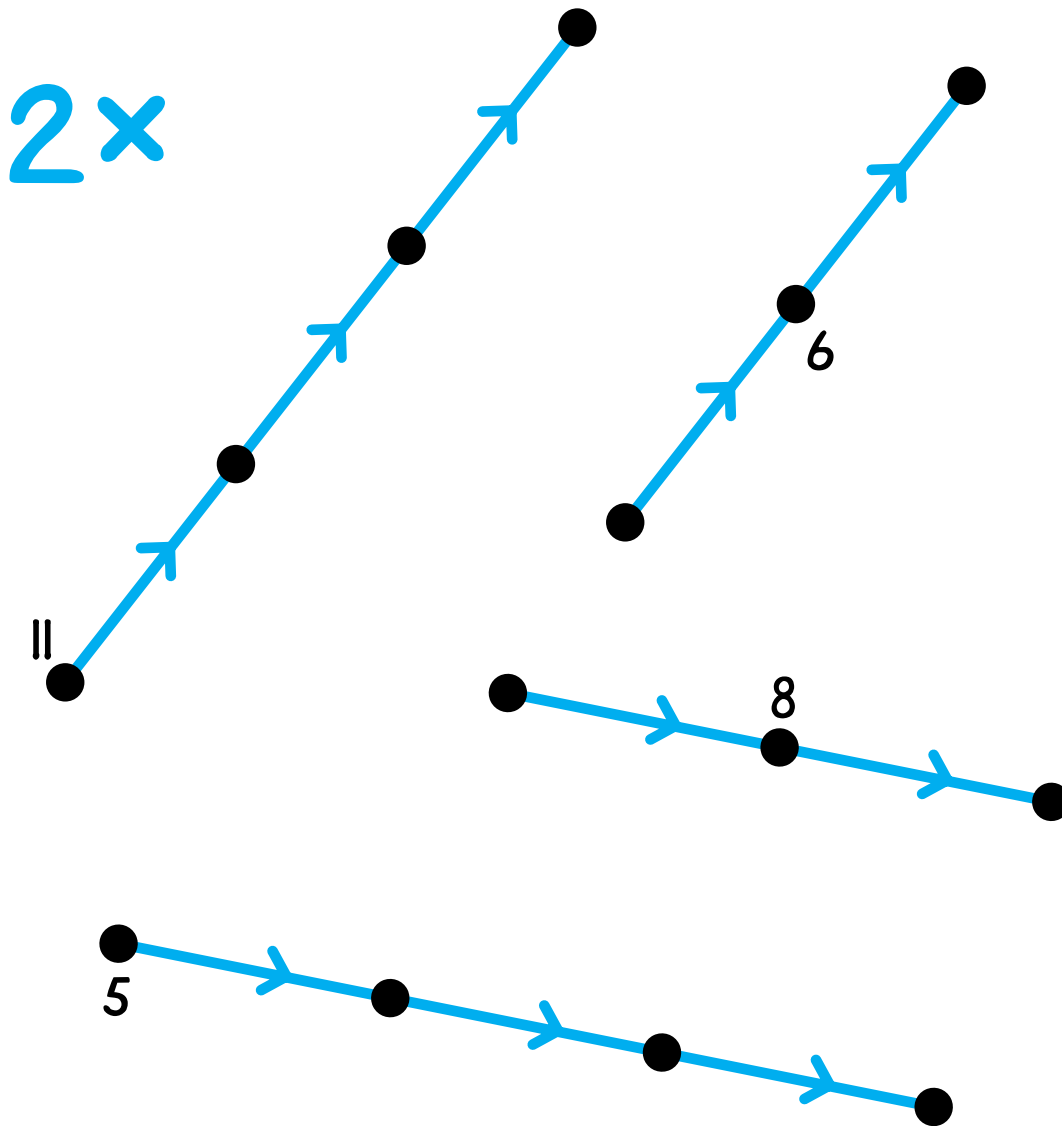
Write number sentences for 37. Two examples are given.

$$\underline{18 + 19 = 37}$$

$$\underline{40 - 3 = 37}$$

37

Label the dots.



Complete.

$2 \times 3 = \underline{\quad}$

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

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

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

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

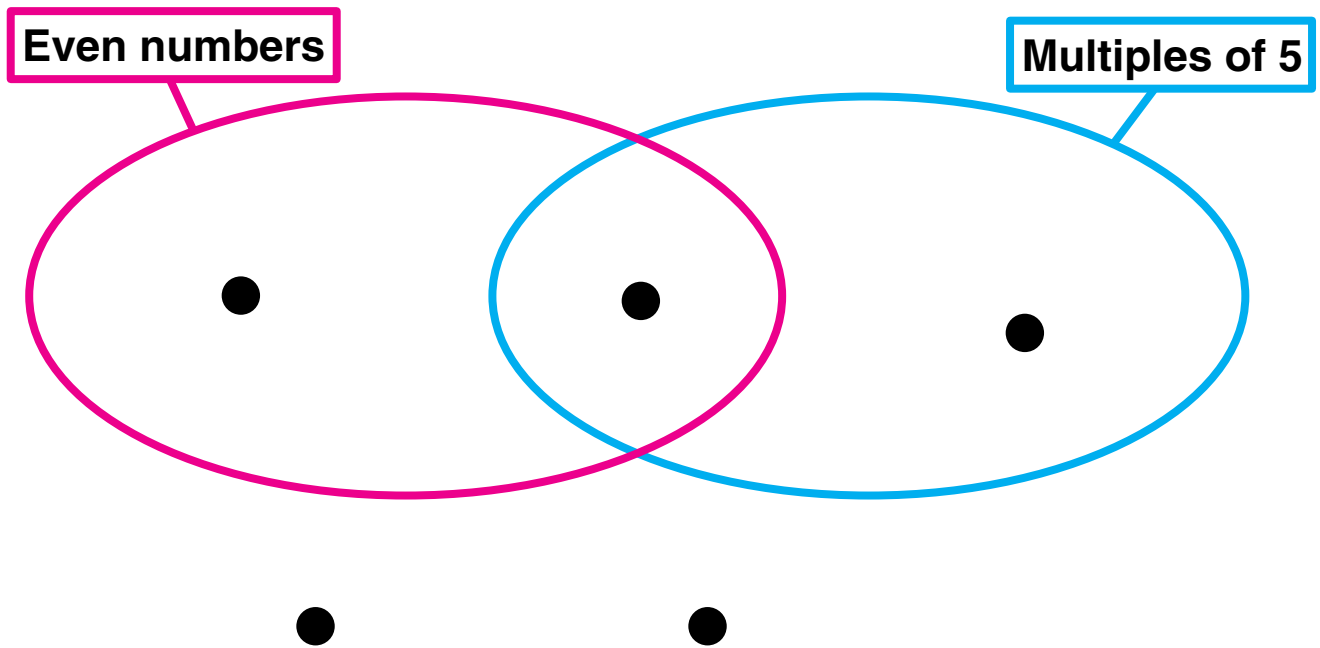
$2 \times 51 = \underline{\quad}$

$2 \times 33 = \underline{\quad}$

$2 \times 12 = \underline{\quad}$

$2 \times 54 = \underline{\quad}$

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



Build an arrow road from 5 to 81 using +10 and +1 arrows.

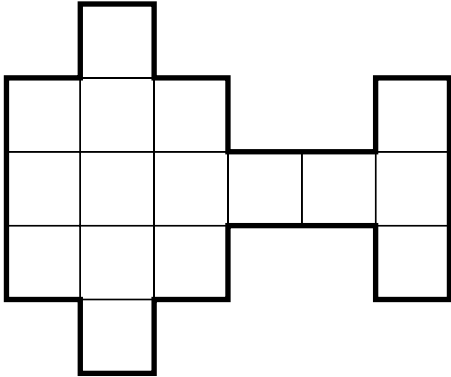
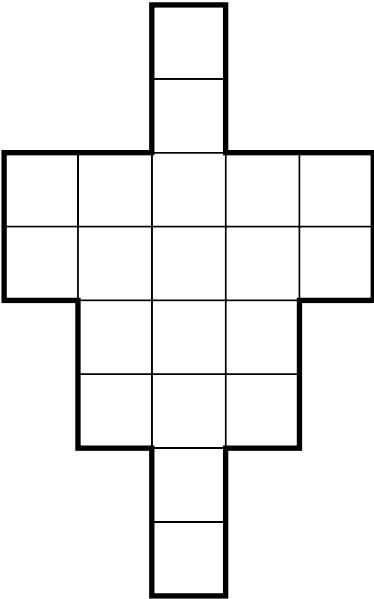
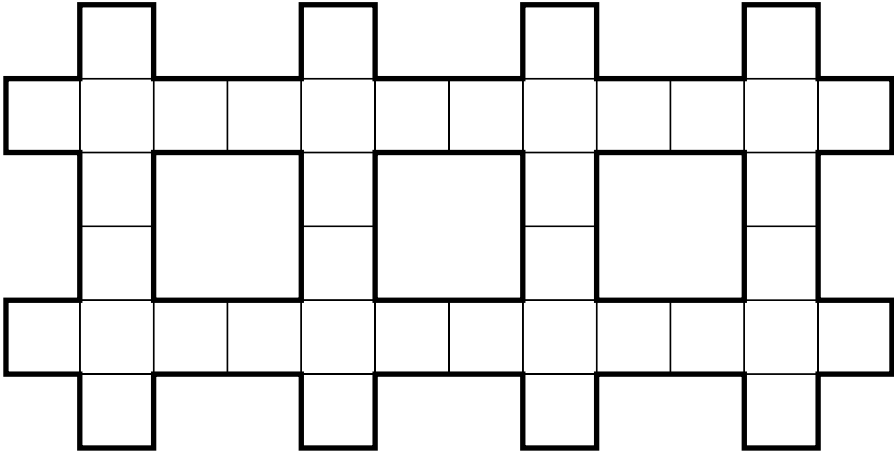
5
●

+10

+1

●
81

Color one-half of each shape red.



Complete.

$$\frac{1}{2} \times 40 = \underline{\quad}$$

$$\frac{1}{2} \times 20 = \underline{\quad}$$

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

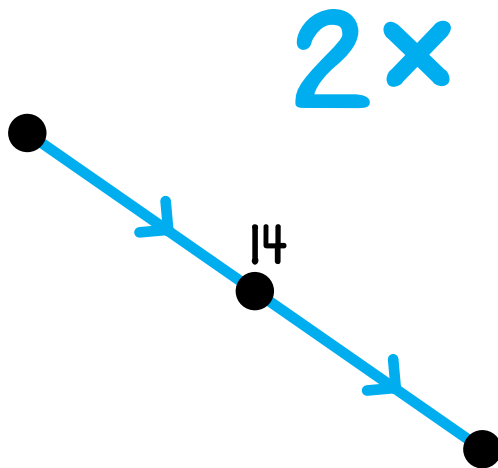
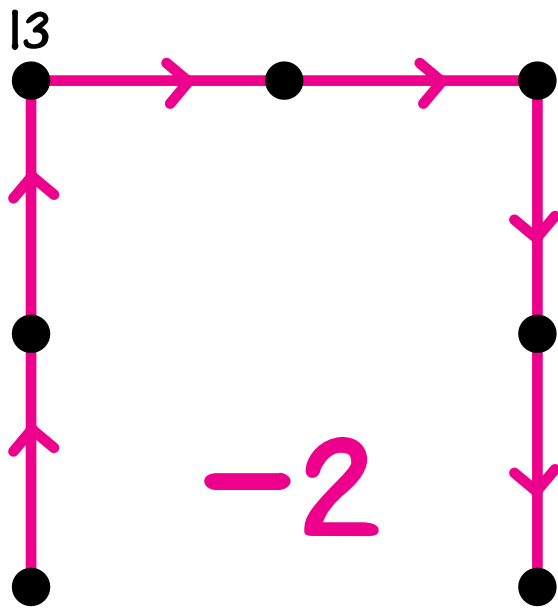
$$40 \div 2 = \underline{\quad}$$

$$20 \div 2 = \underline{\quad}$$

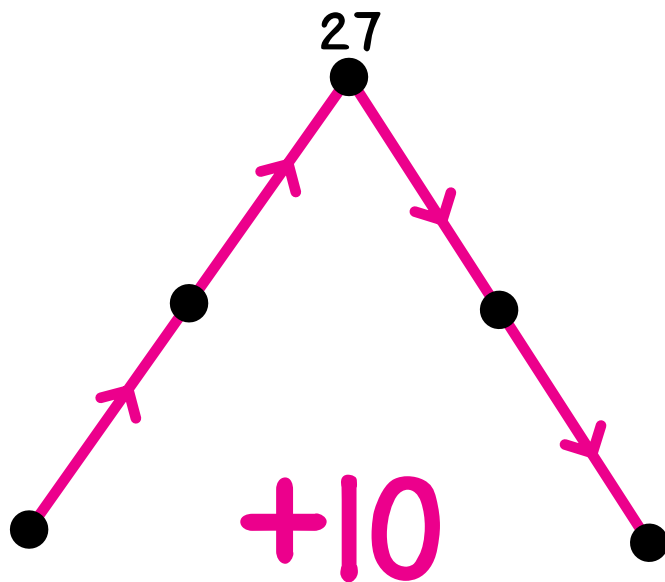
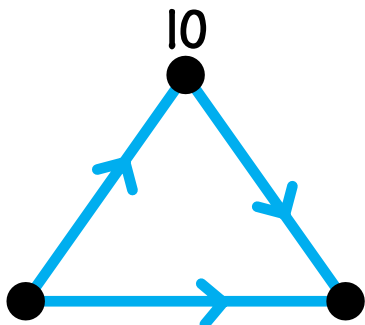
$$16 \div 2 = \underline{\quad}$$

Seven is in each of these arrow pictures.

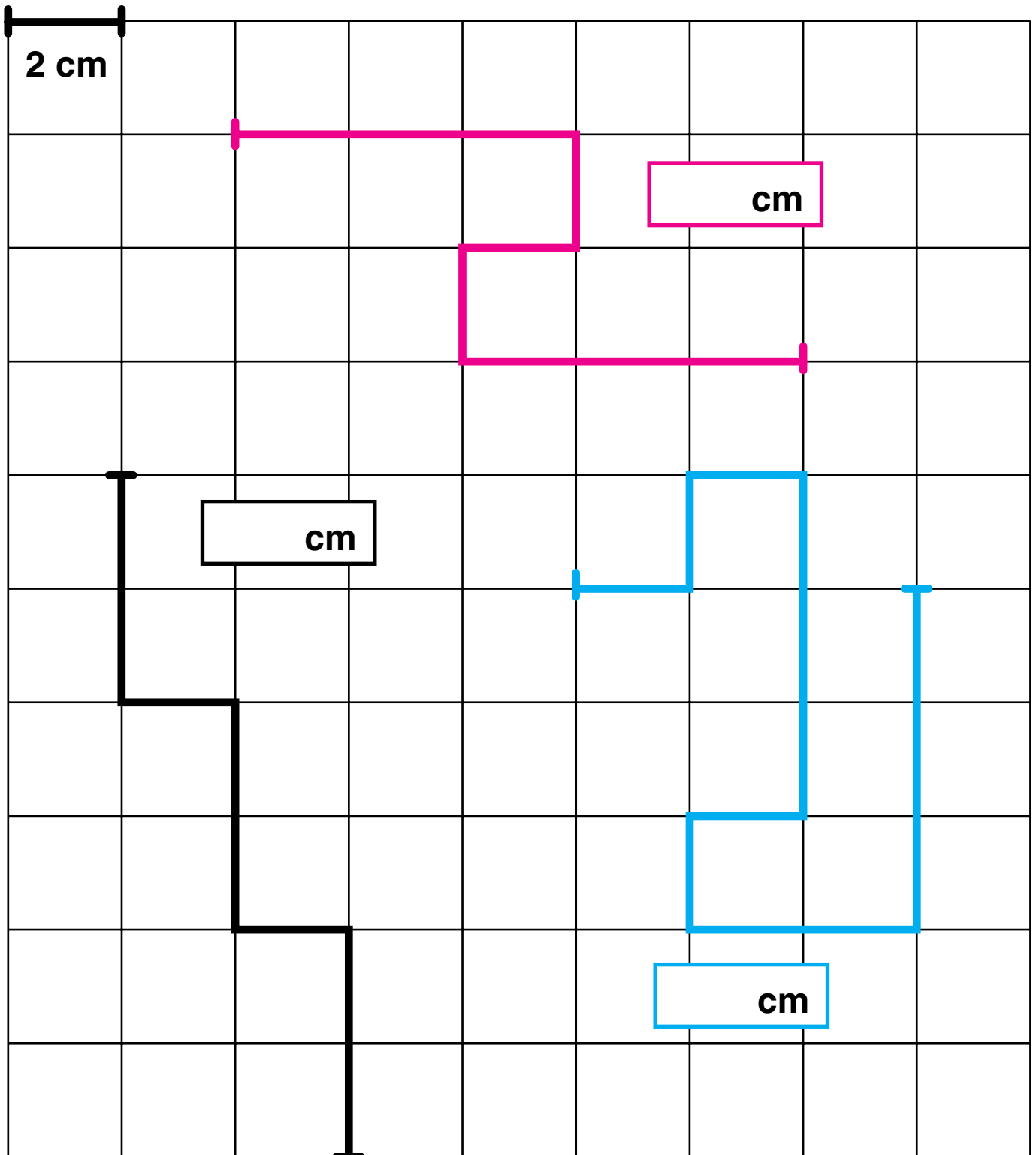
Label all the dots. In each picture, circle the dot for 7.



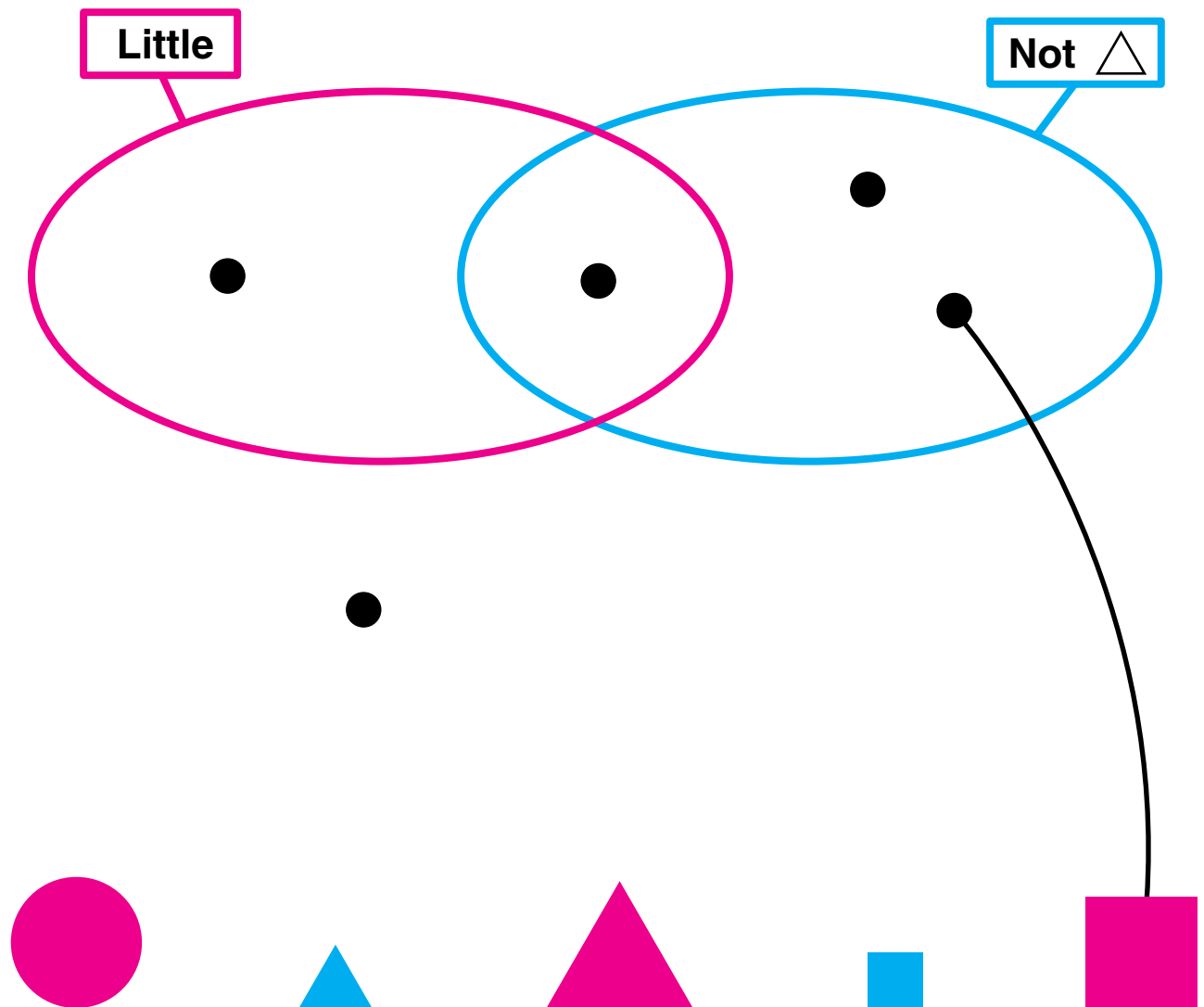
I am less than you



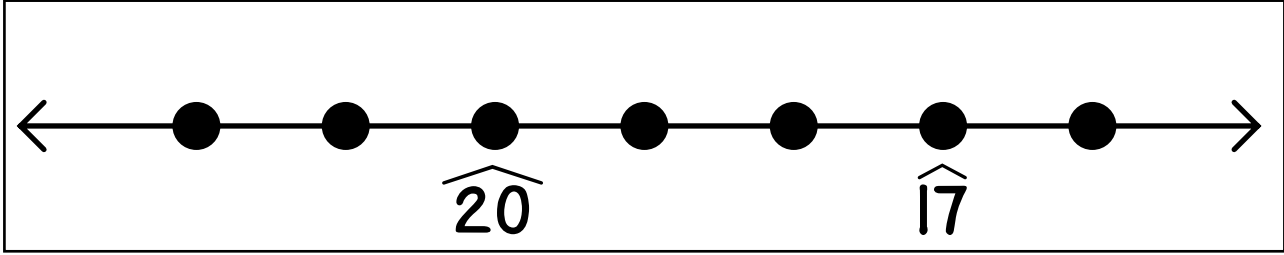
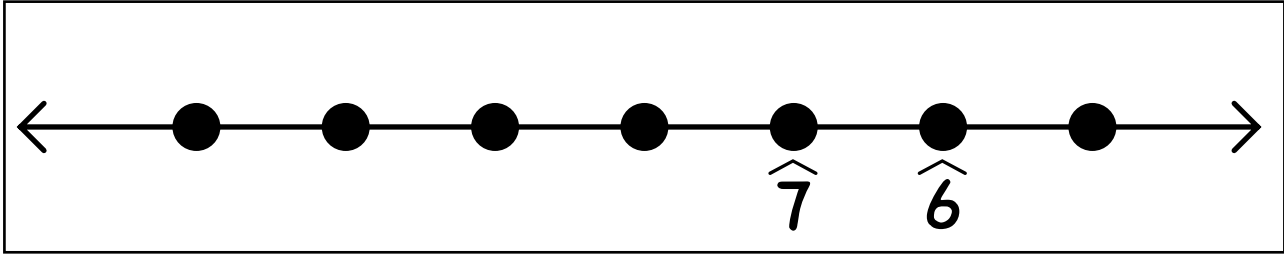
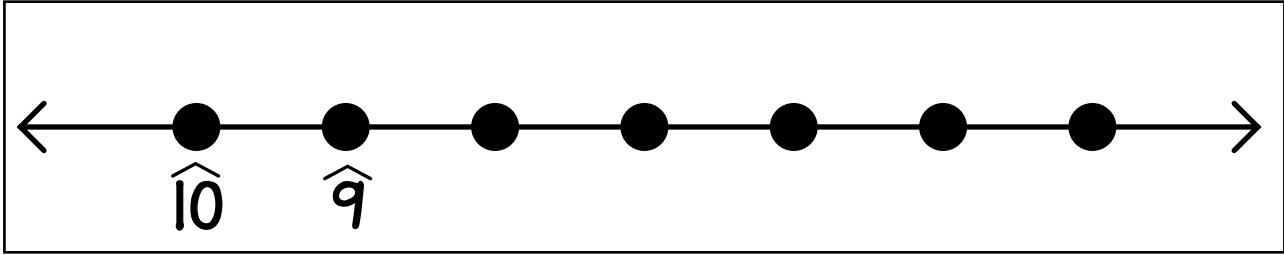
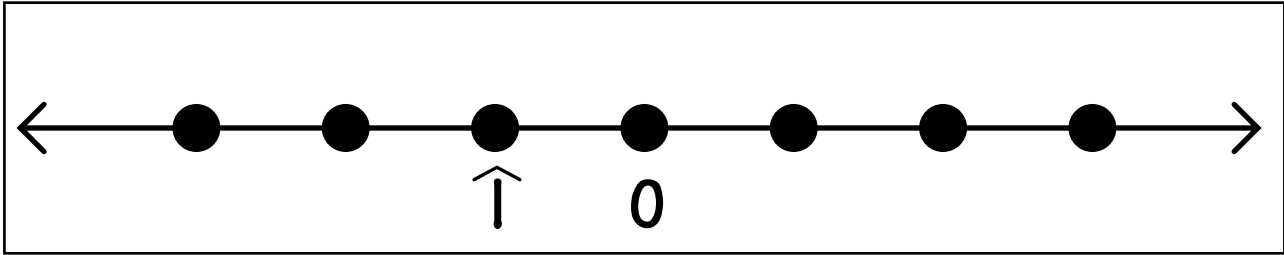
Write the length of each zigzag path in the box of the same color.



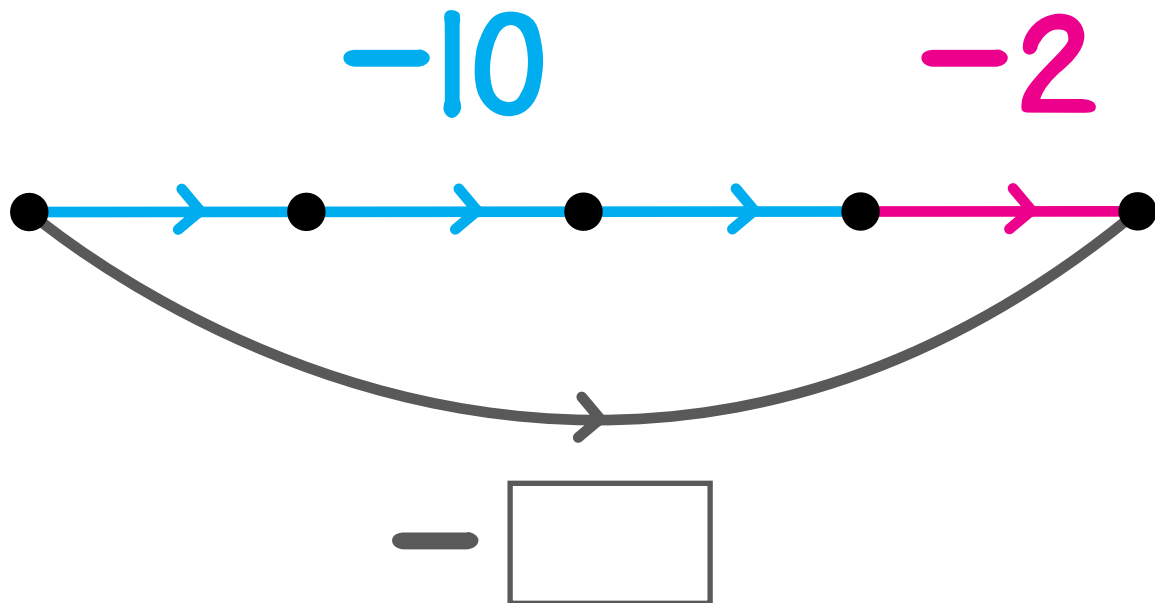
Match each dot with an A-block. One is done for you.



Label the dots on these number lines.



Fill in the box for the gray arrow.



Use the arrow picture for these subtraction problems.

$$\begin{array}{r} 86 \\ -32 \\ \hline \end{array}$$

$$\begin{array}{r} 52 \\ -32 \\ \hline \end{array}$$

$$\begin{array}{r} 65 \\ -32 \\ \hline \end{array}$$

$$\begin{array}{r} 40 \\ -32 \\ \hline \end{array}$$

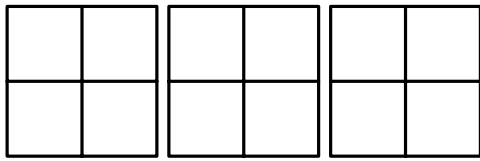
$$\begin{array}{r} 71 \\ -32 \\ \hline \end{array}$$

$$\begin{array}{r} 102 \\ -32 \\ \hline \end{array}$$

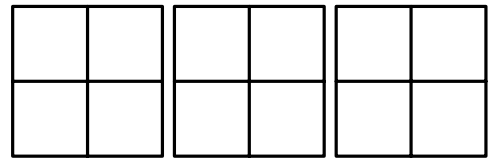
$$\begin{array}{r} 90 \\ -32 \\ \hline \end{array}$$

$$\begin{array}{r} 110 \\ -32 \\ \hline \end{array}$$

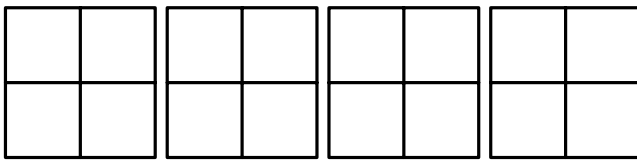
Put these numbers on the Minicomputer.



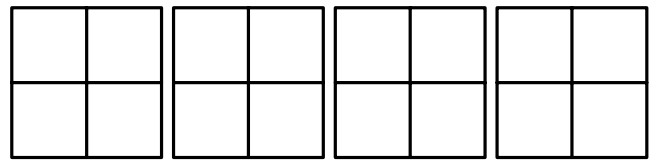
579



850

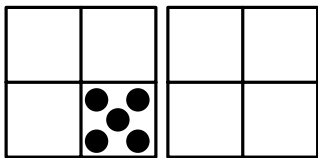


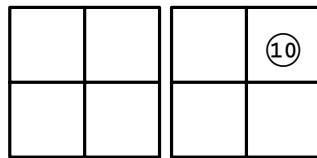
3,026

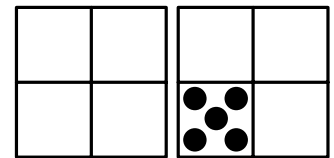


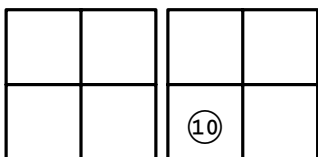
4,108

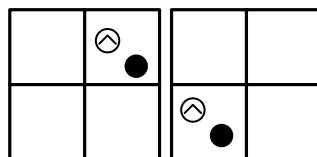
What number is on the Minicomputer?

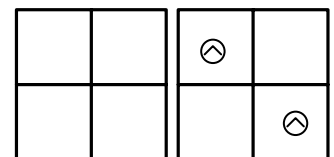








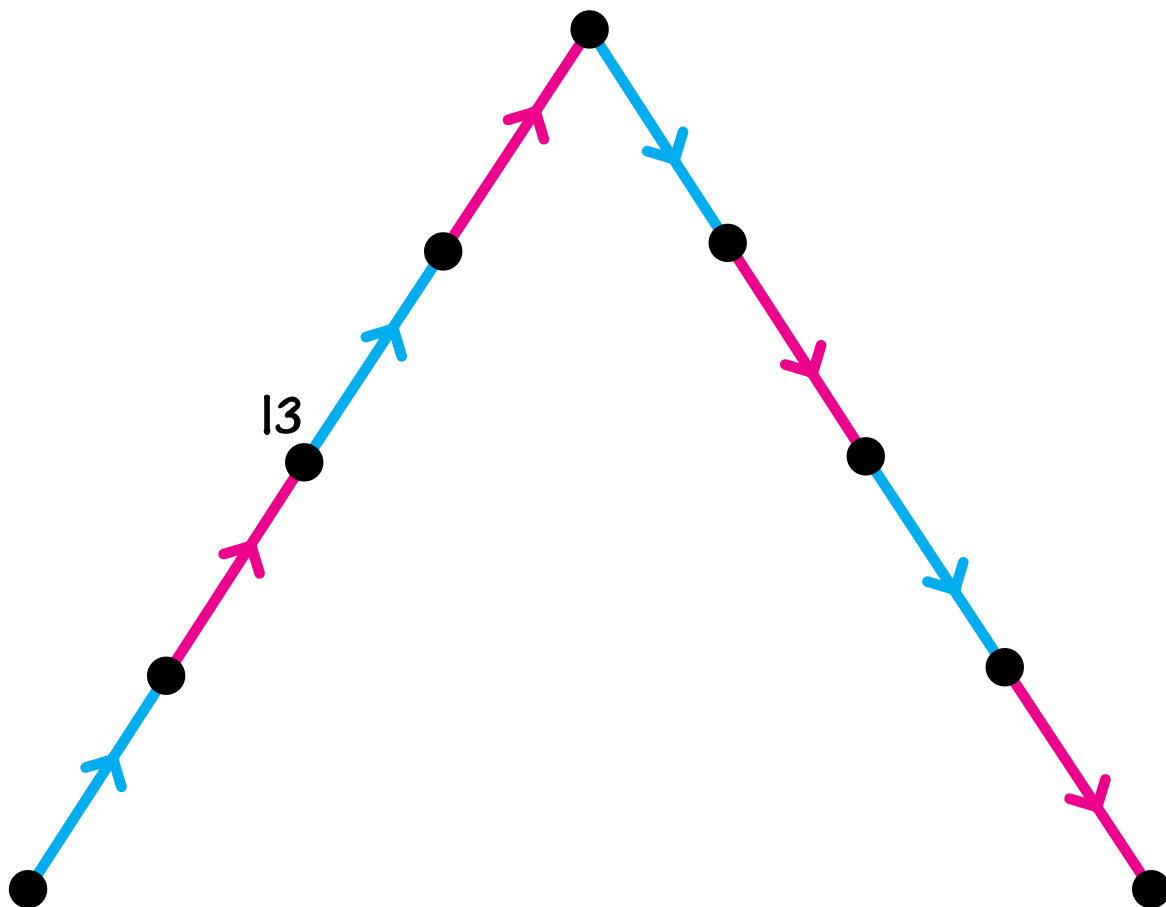




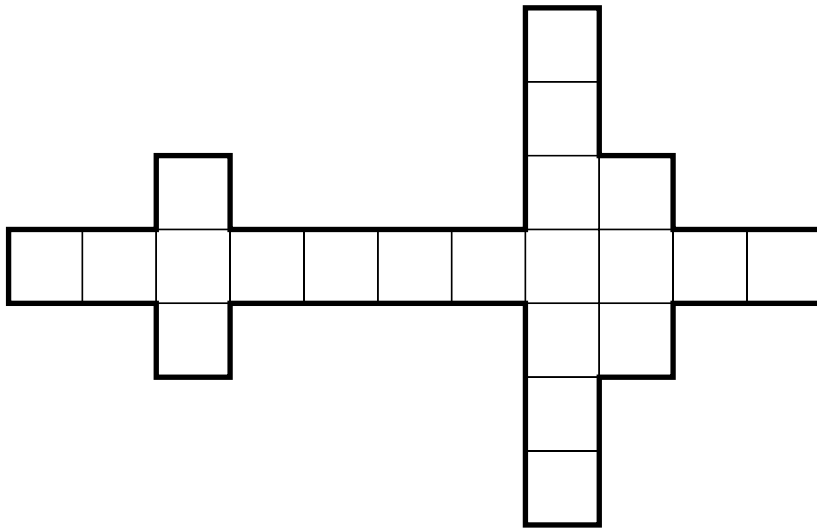
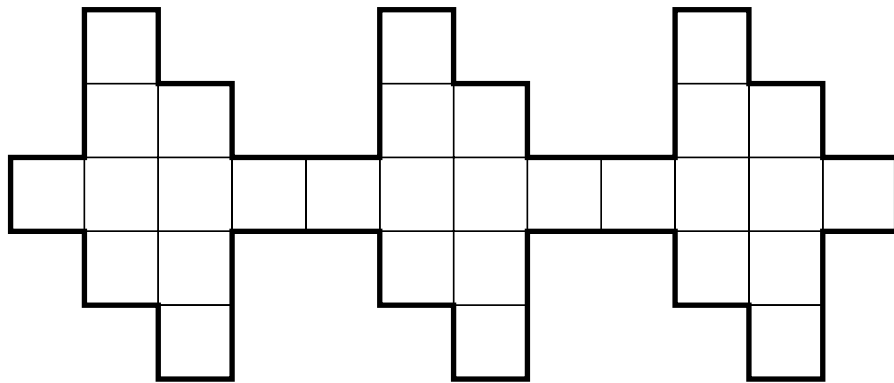
Label the dots.

$2 \times$

$+ 3$



Color one-third of each shape blue.



Complete.

$$\frac{1}{3} \times 30 = \underline{\quad}$$

$$30 \div 3 = \underline{\quad}$$

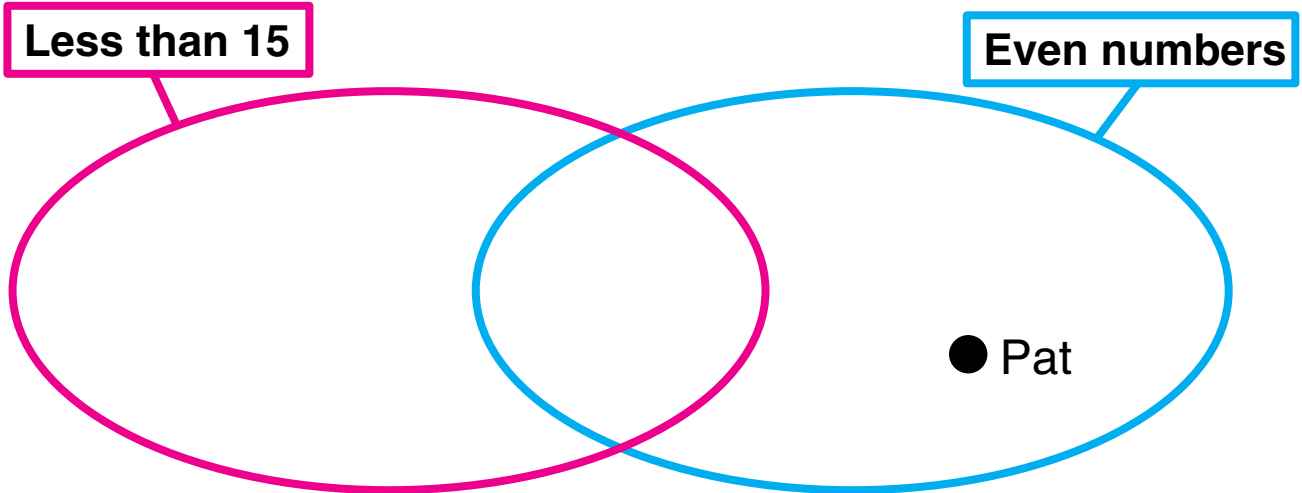
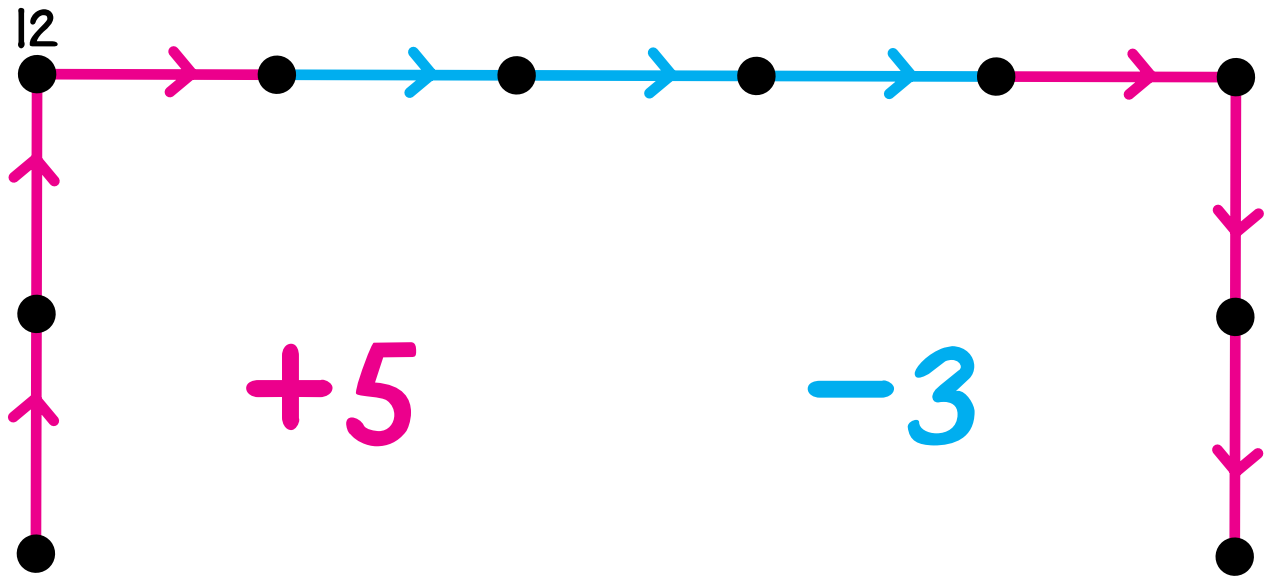
$$\frac{1}{3} \times 21 = \underline{\quad}$$

$$21 \div 3 = \underline{\quad}$$

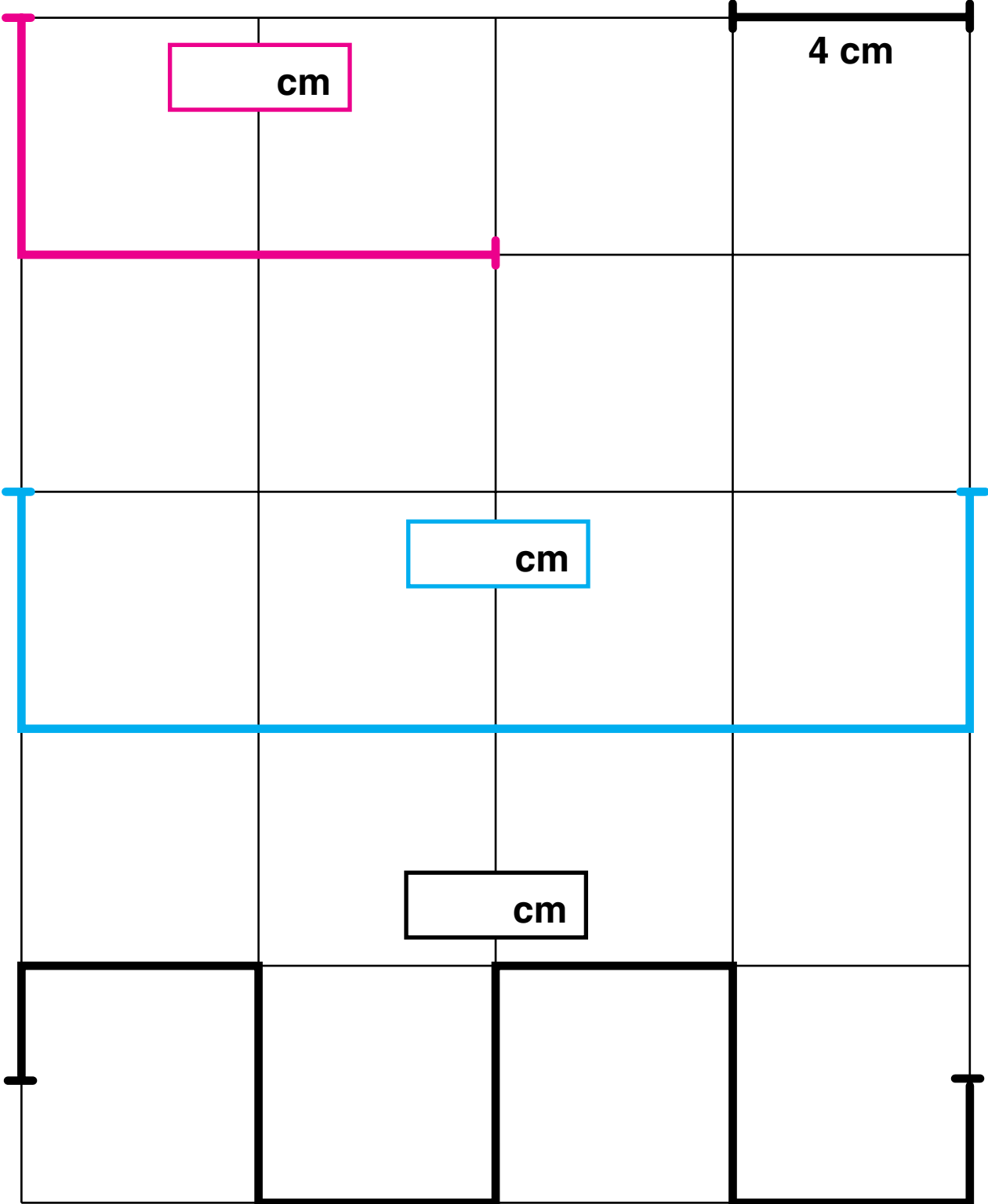
Pat is a secret number.

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

Who is Pat? _____



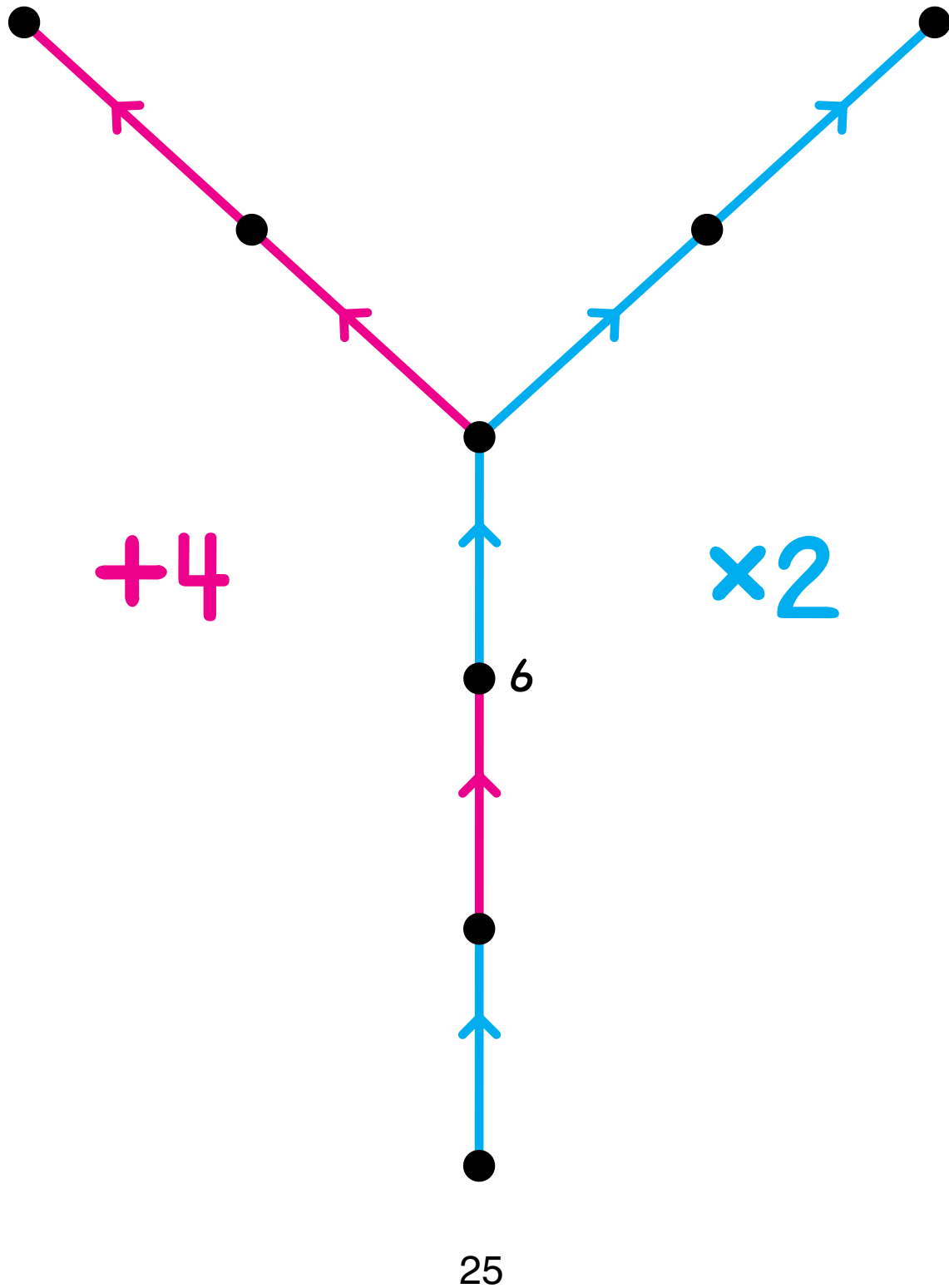
Write the length of each zigzag path in the box of the same color.



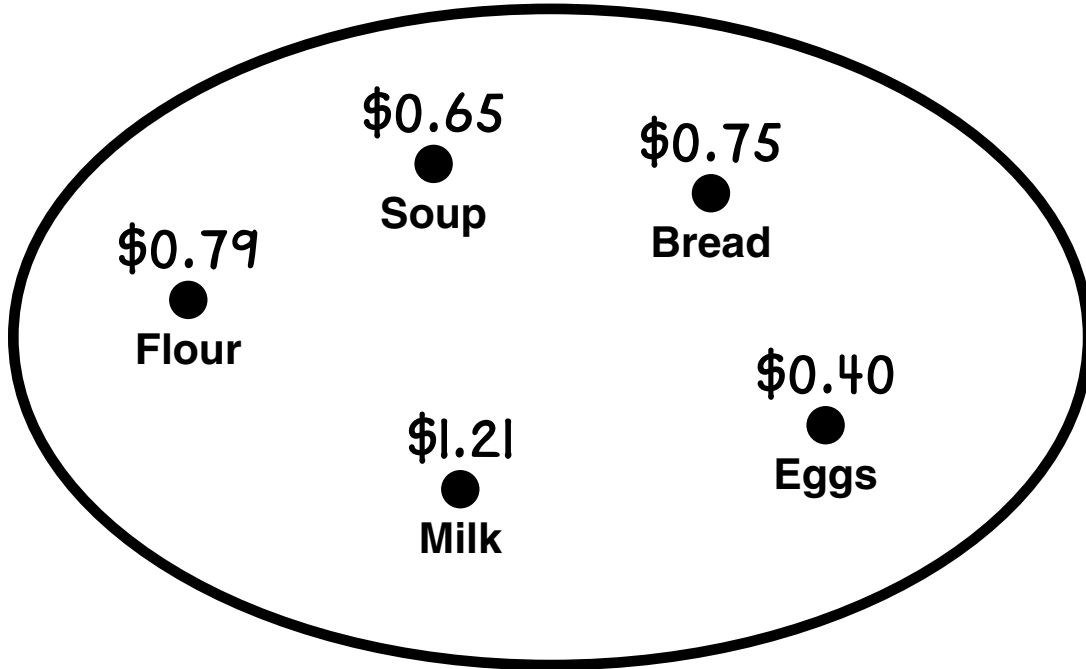
Pam is a secret number.

Pam is a multiple of 5 and in this arrow picture.

Who is Pam? _____



These are the prices of some items in a grocery store.



Which item is the most expensive? _____

Which item is the least expensive? _____

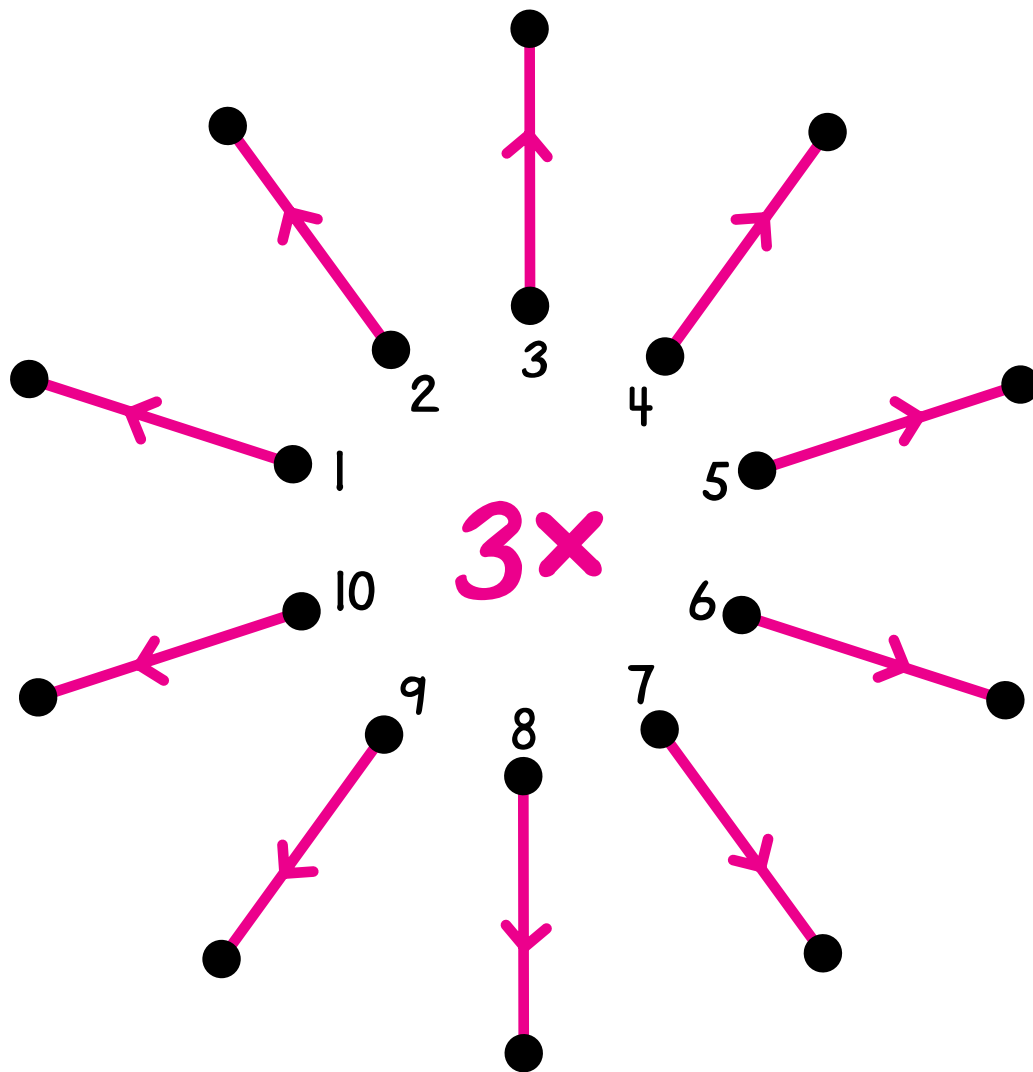
Kalah bought two items for exactly \$2.00.

Which two items did he buy? _____ and _____.

Sun-Li bought soup and bread. How much did she spend? _____

She gave the clerk \$2.00. How much change did she receive? _____

Label the dots.



Complete.

$3 \times 2 = \underline{\quad}$

$3 \times 4 = \underline{\quad}$

$3 \times 9 = \underline{\quad}$

$3 \times 5 = \underline{\quad}$

$3 \times 7 = \underline{\quad}$

$3 \times 6 = \underline{\quad}$

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

$3 \times 8 = \underline{\quad}$

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

Complete.

$$\begin{array}{r} 48 \\ + \\ \hline 92 \end{array}$$

$$\begin{array}{r} 175 \\ + \\ \hline 190 \end{array}$$

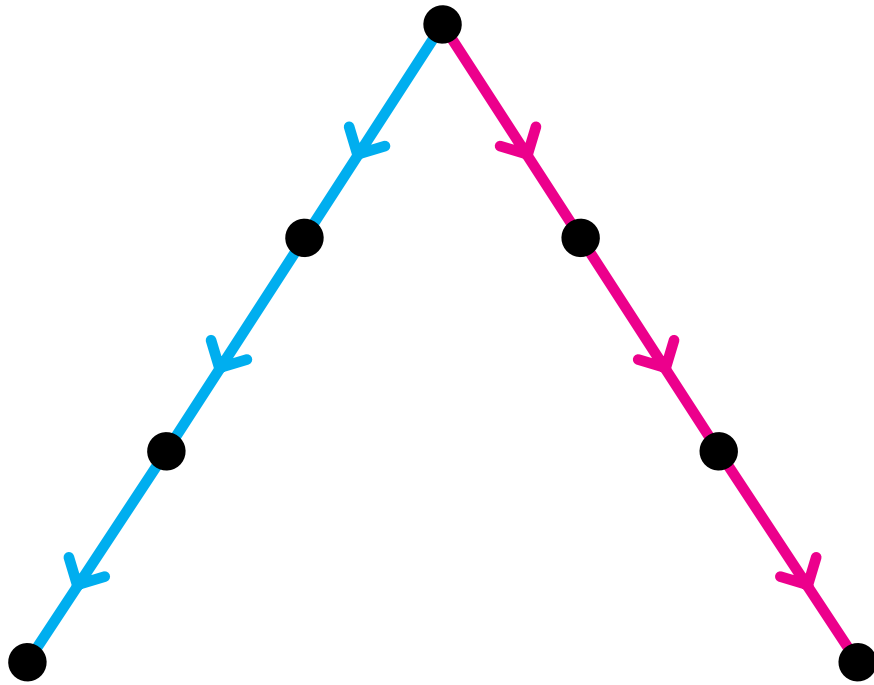
$$\begin{array}{r} 2,371 \\ + \\ \hline 5,928 \end{array}$$

$$\begin{array}{r} 4,351 \\ + \\ \hline 5,000 \end{array}$$

Ten is the least number in this arrow picture. Where is 10?
What are the other numbers? Label the dots.

-3

-5



One Treat Bag

12 peanuts
4 candy kisses
8 pretzels
15 raisins

How much of each ingredient do you need to make:

Two Treat Bags

____ peanuts
____ candy kisses
____ pretzels
____ raisins

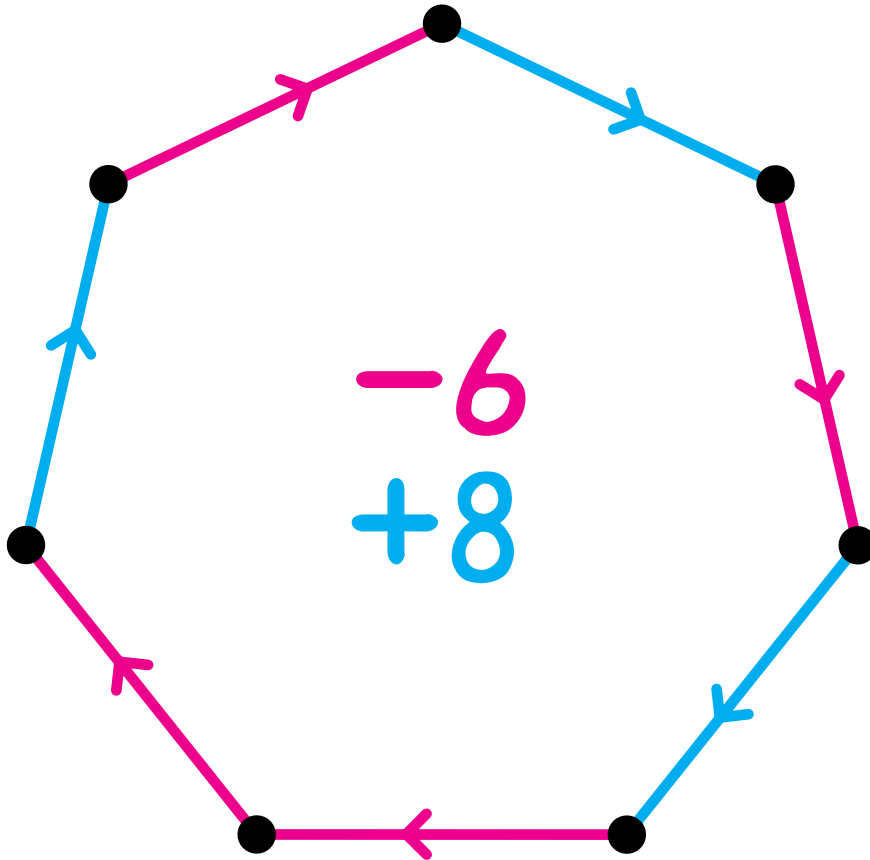
Five Treat Bags

____ peanuts
____ candy kisses
____ pretzels
____ raisins

Ten Treat Bags

____ peanuts
____ candy kisses
____ pretzels
____ raisins

Fifty is the greatest number in the arrow picture. Where is 50?
What are the other numbers? Label the dots.



Put these numbers in the string picture.

55 56 57 58 59 60 61 62 63 64 65

One is done for you.

