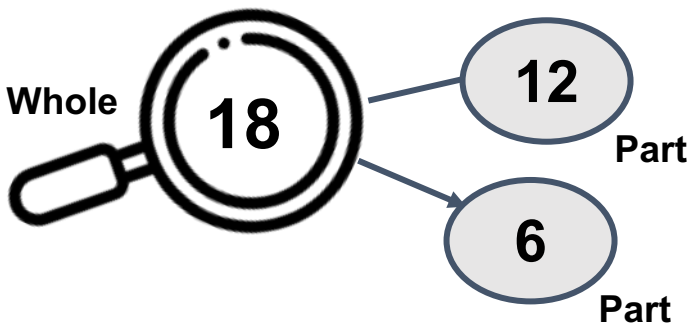


# SETScholars Math Worksheet

## Class / Year / Grade 1 – Worksheet 31

### Determining the Unknown Whole Number in an Addition or Subtraction Equation

In determining the unknown whole number in an addition and subtraction equation, we must understand the correlation of addition and subtraction as part of a whole.



- **Adding the parts** gives the whole.  
 $12 + 6 = 18$   
 $6 + 12 = 18$
- **Subtracting one part** from the whole gives the other part.  
 $18 - 6 = 12$   
 $18 - 12 = 6$



- The biggest number is called the **whole**.
- The other two numbers are its **parts**.



## Finding the Missing Whole or Missing Part

Sometimes, we may have problems like these:

$$15 - \text{?} = 11$$

$$\text{?} - 5 = 8$$



How can we find these missing numbers? We can find these missing numbers in the equations using whole and parts.

### Part-Part-Whole Model

Whole

Part

Part

?

Part

Part

Whole

Part

?

Missing **Whole**: Add  
**Whole** = Part + Part

Missing **Part**: Subtract  
**Part** = Whole - Part

## Finding the Missing Minuends and Subtrahends

If the unknown number is the **subtrahend**, subtract the **difference** from the **minuend** (number before the minus sign).

$$15 - 11 = 4$$

Therefore, the unknown number is 4.

$$15 - 4 = 11$$

$$15 - ? = 11$$

If the unknown number is the **minuend**, simply add the two known numbers.

$$5 + 8 = 13$$

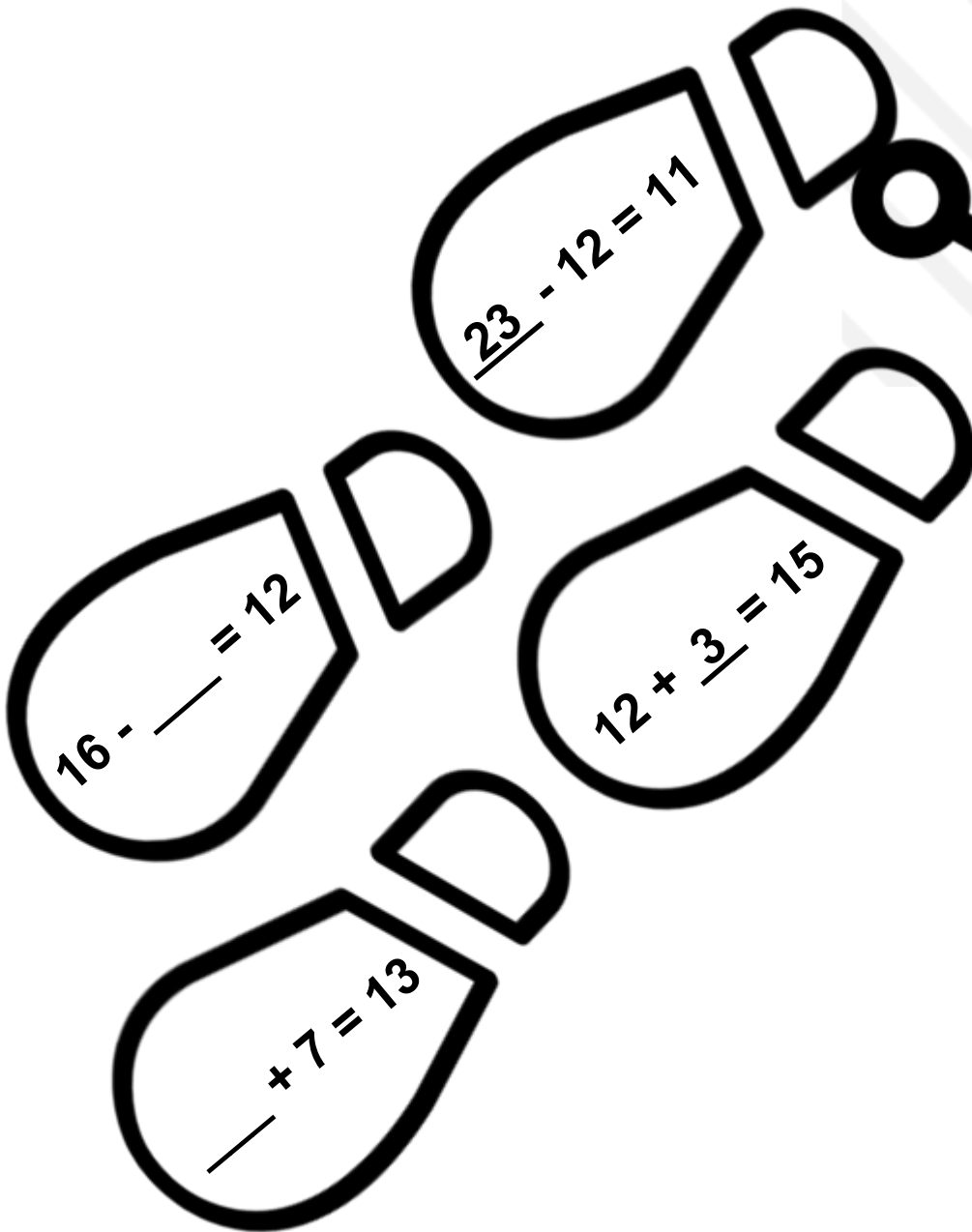
Therefore, the unknown number is 13.

$$13 - 5 = 8$$

$$? - 5 = 8$$



Find the missing numbers below to make the equations correct.



# THE CLUES

Cut out the clues below and fill in the missing addends to complete each equation.

$1 + \underline{\quad} = 7$

$9 + \underline{\quad} = 14$

$8 + \underline{\quad} = 16$

$\underline{\quad} + 6 = 8$

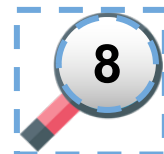
$5 + \underline{\quad} = 14$

$\underline{\quad} + 7 = 11$

$7 + \underline{\quad} = 10$

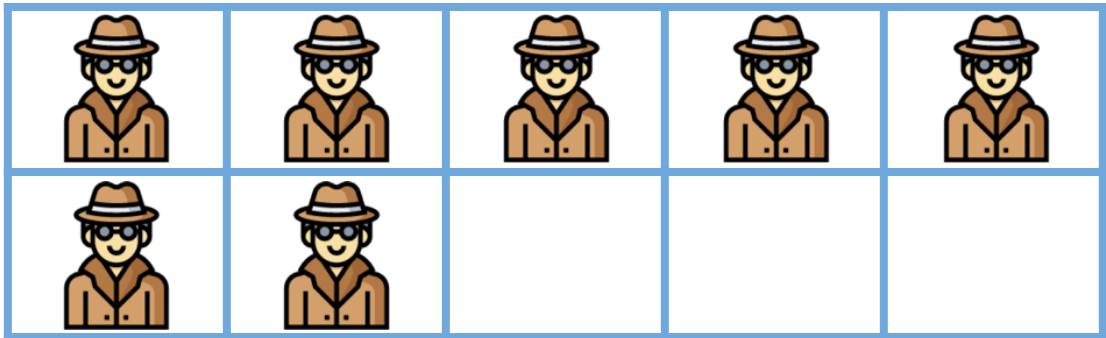
$\underline{\quad} + 9 = 16$

$9 + \underline{\quad} = 10$

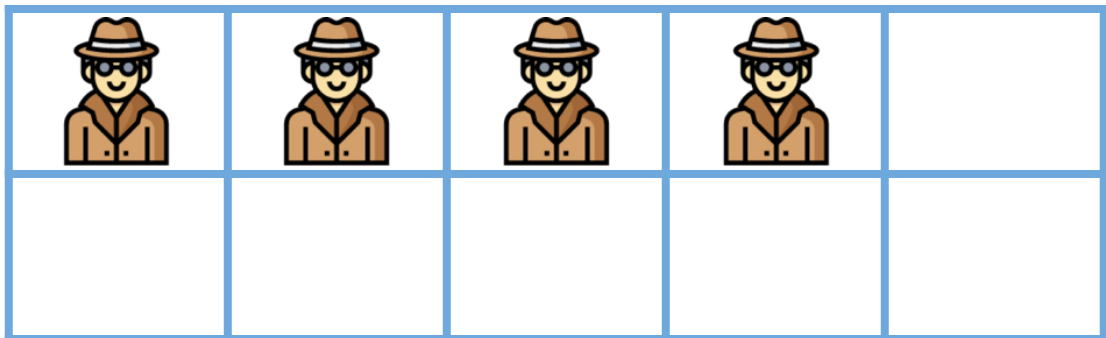


# 10 DETECTIVES

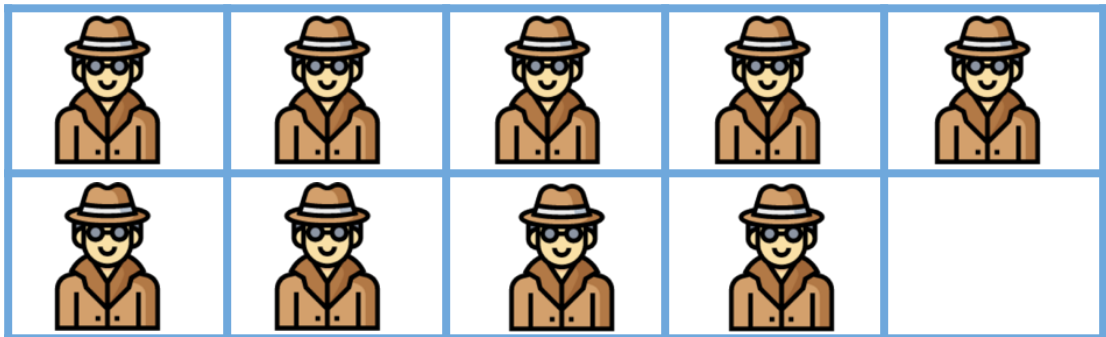
Complete the number sentence to make 10.



$$7 + \underline{\quad} = 10$$



$$\underline{\quad} + 4 = 10$$



$$9 + \underline{\quad} = 10$$

# MYSTERY CASE

Match the mystery cases to their corresponding evidences on the right.

1

$$8 - \boxed{?} = 3$$



2

$$34 - \boxed{?} = 19$$



3

$$\boxed{?} - 8 = 12$$



4

$$30 - \boxed{?} = 5$$



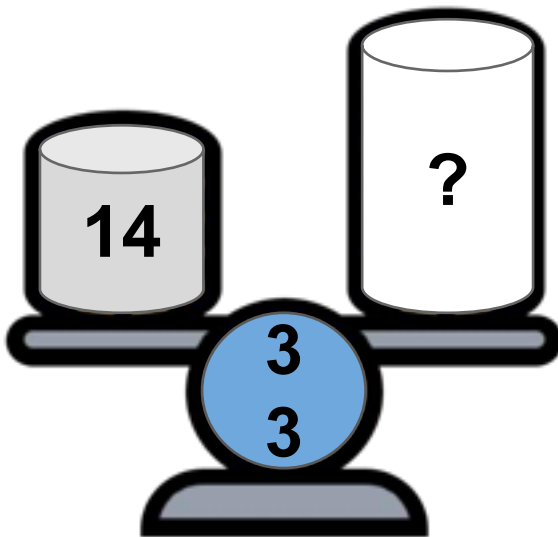
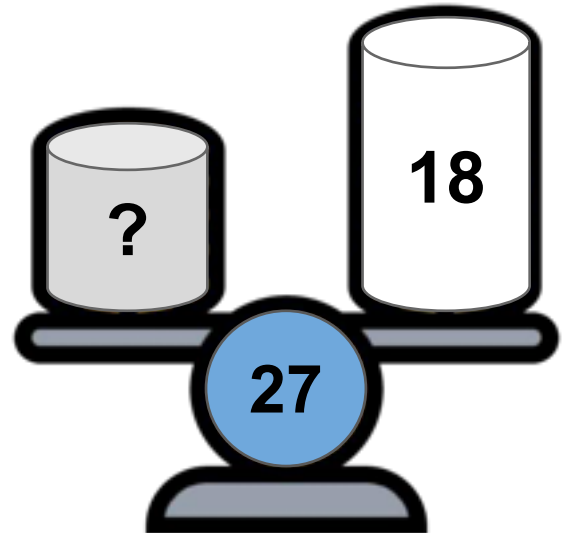
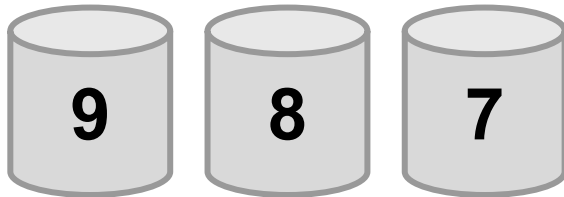
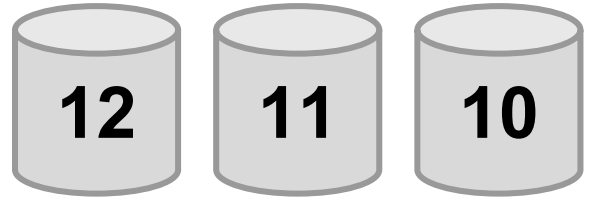
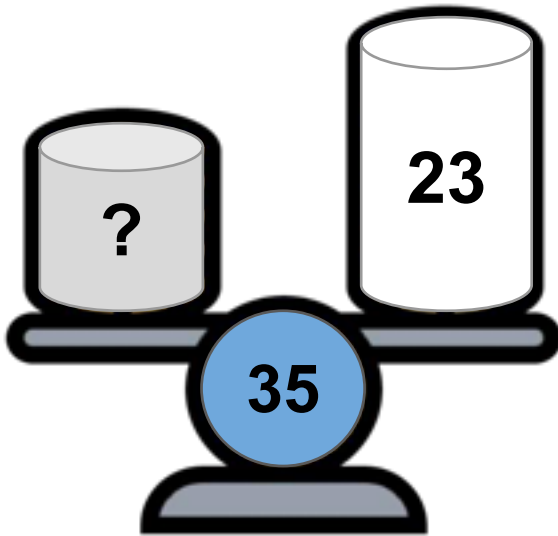
5

$$\boxed{?} - 9 = 1$$



# JUST WEIGH IT

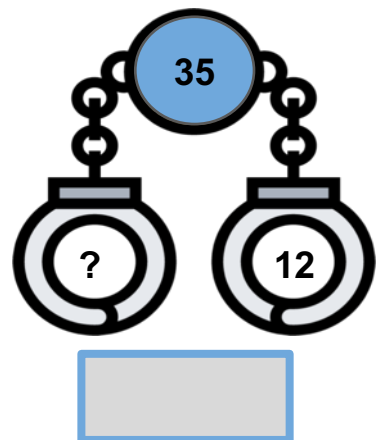
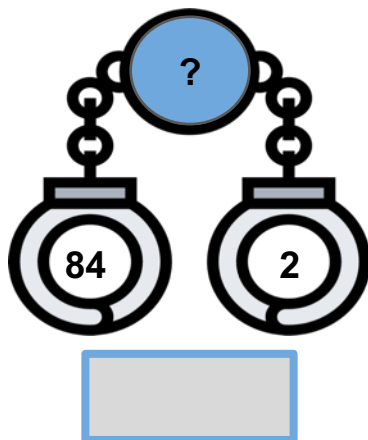
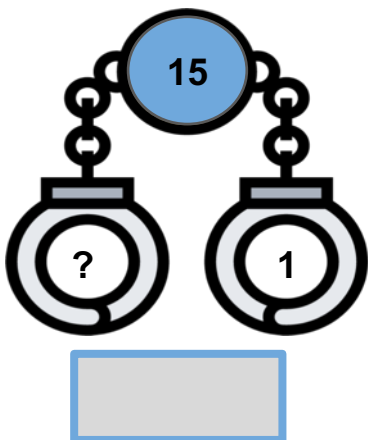
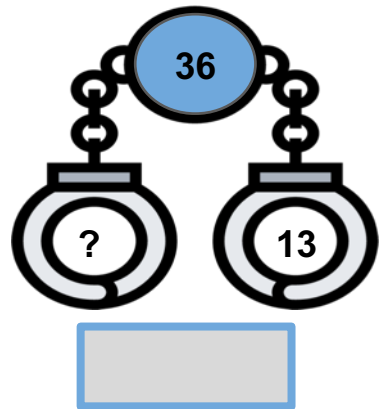
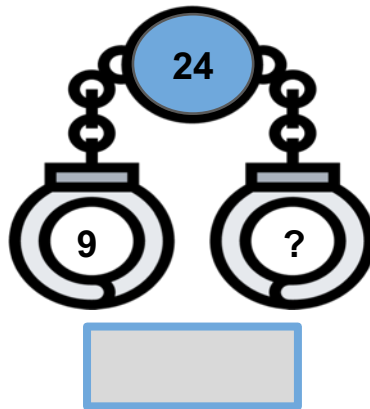
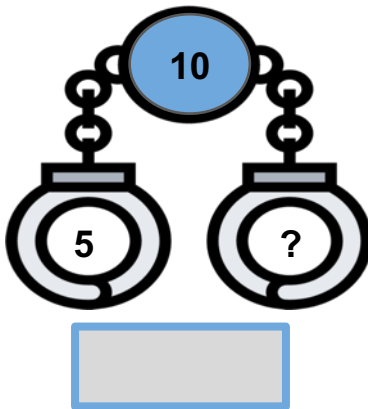
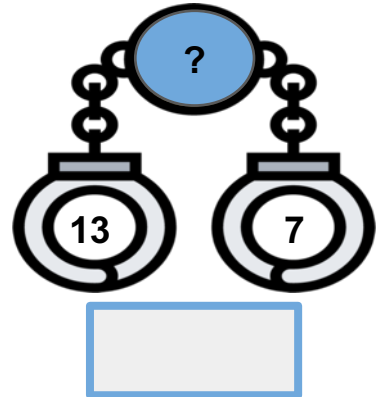
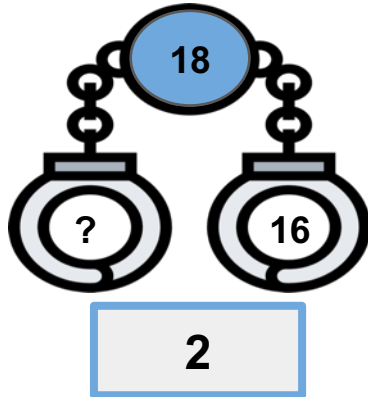
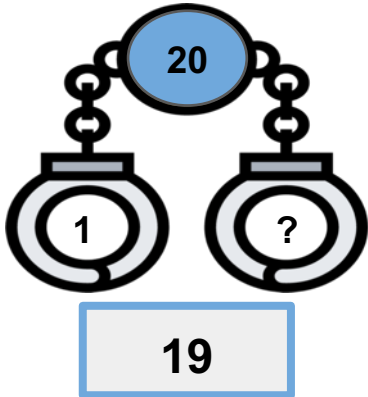
Encircle the missing number (load or parts) to complete the whole.






# UNCUFF ME

Remove the handcuffs by determining the missing whole or missing part. Write your answers on the box.



# MISSING NUMBER PUZZLE

Solve the puzzle by completing the missing numbers, then write the equations below.

8	+		=	12
-		+		
	-		=	3

$\quad = \quad$   $\quad = \quad$

2	7
---	---

1

$$8 + \underline{\quad} = 12$$

2

$$8 - \underline{\quad} = 2$$

3

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

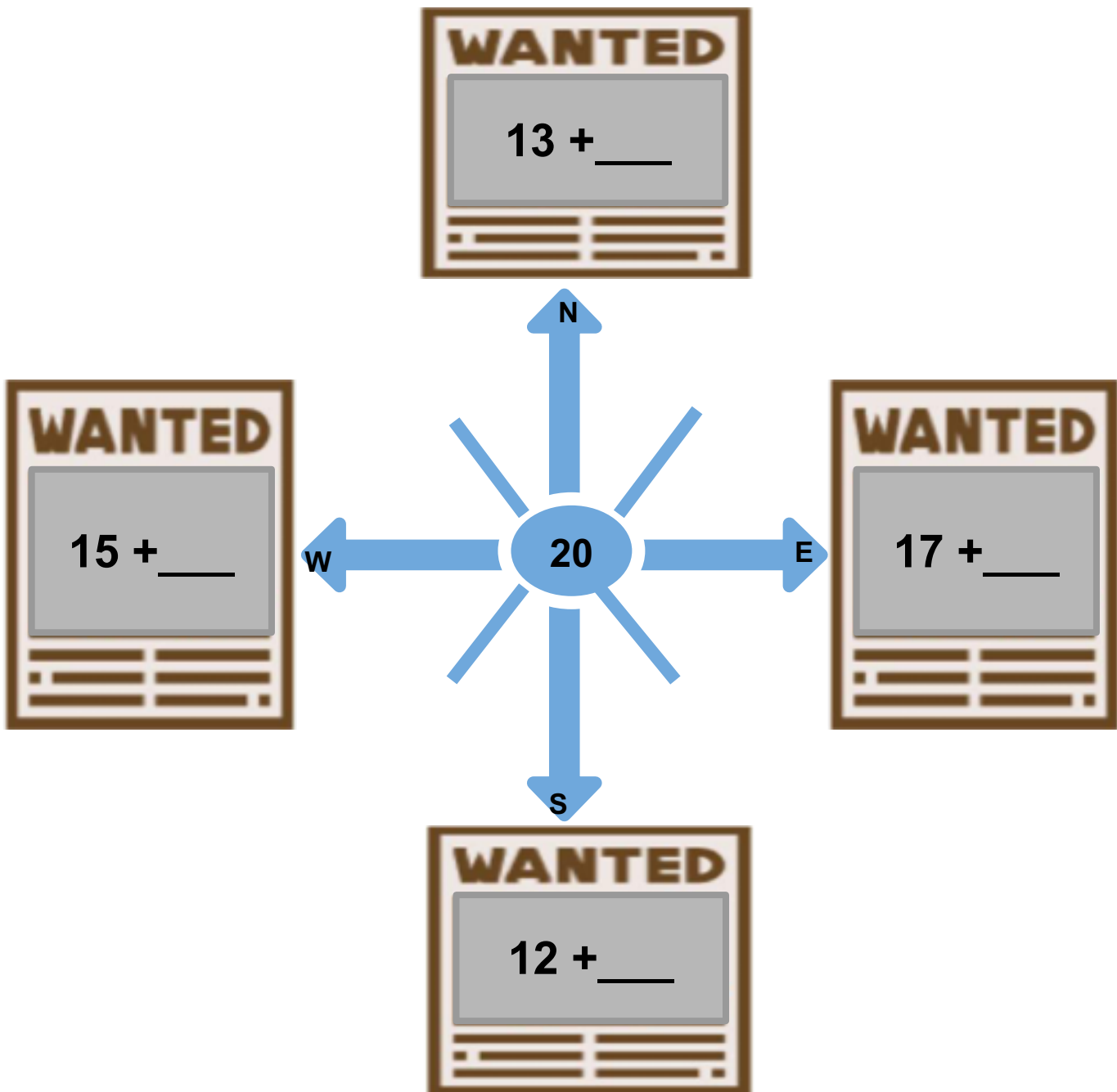
4

$$\underline{\quad} + \underline{\quad} = 7$$



# NAVIGATE 20

Fill in the boxes with correct number that will complete each equation. Note: All directions have 20 as its final answer.



# FOOTPRINTS

Cross out the footprints to help make the equation right.



$$10 - \underline{\quad} = 4$$



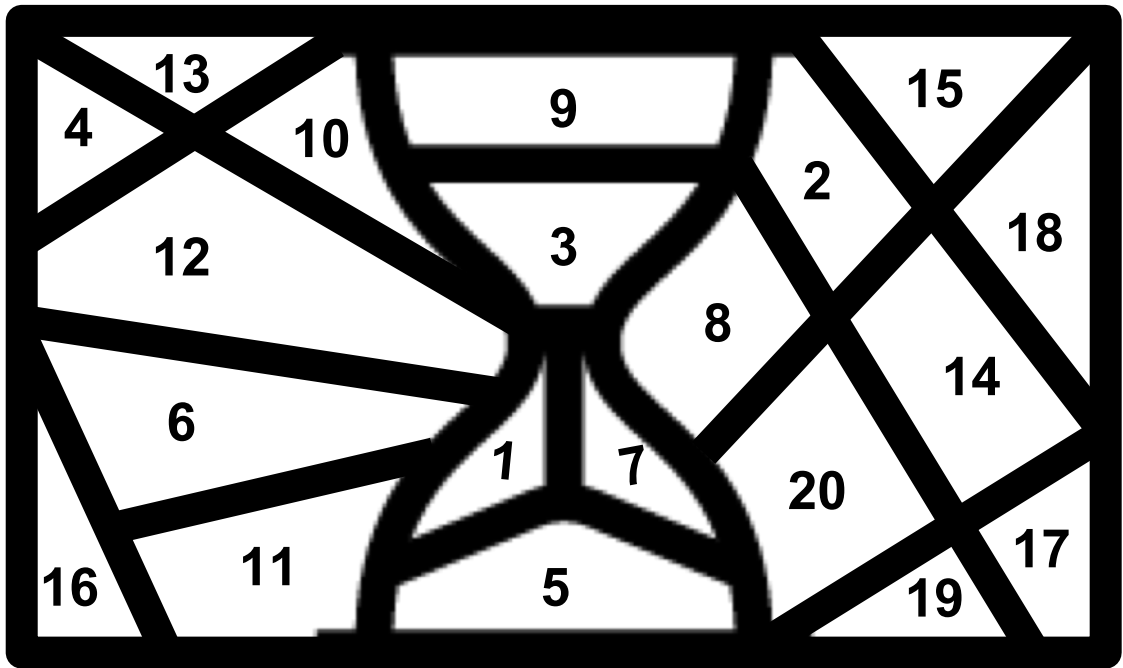
$$10 - \underline{\quad} = 8$$



$$10 - \underline{\quad} = 1$$

# HOURLGLASS

Color the picture according to the answers you get on each equation. Use the designated colors on the legend below and see what figure you get.



$$4 - \text{yellow} = 1$$

$$\text{orange} - 2 = 3$$

$$20 - \text{blue} = 19$$

$$14 - \text{red} = 7$$

$$\text{green} - 7 = 2$$

# BEHIND BARS

Determine the unknown number on the following equations.

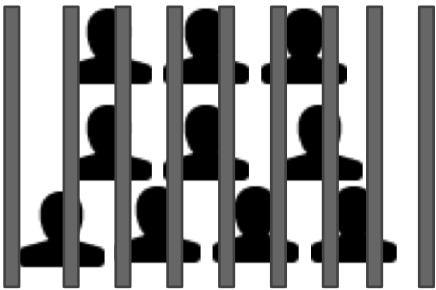


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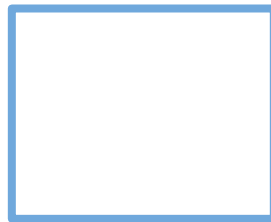


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3

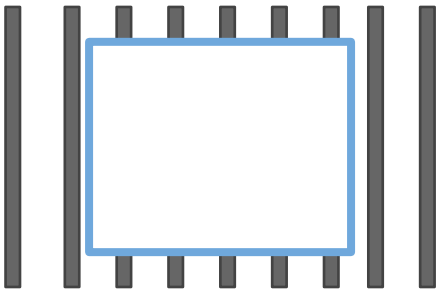


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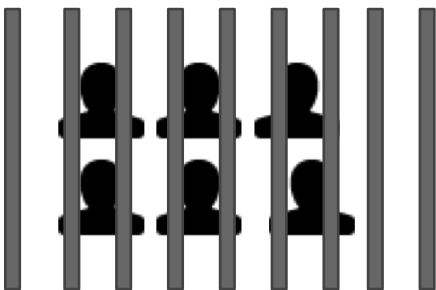


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=

1



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