

2nd EDITION

DIGIT

A

Workbook



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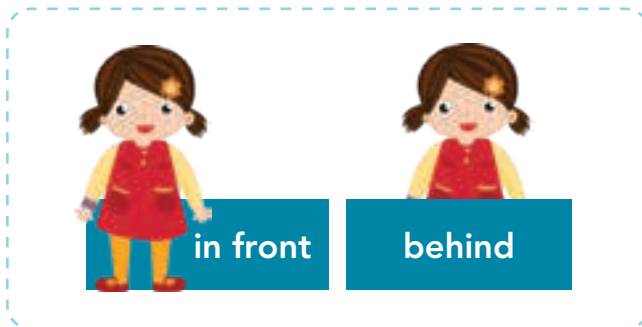
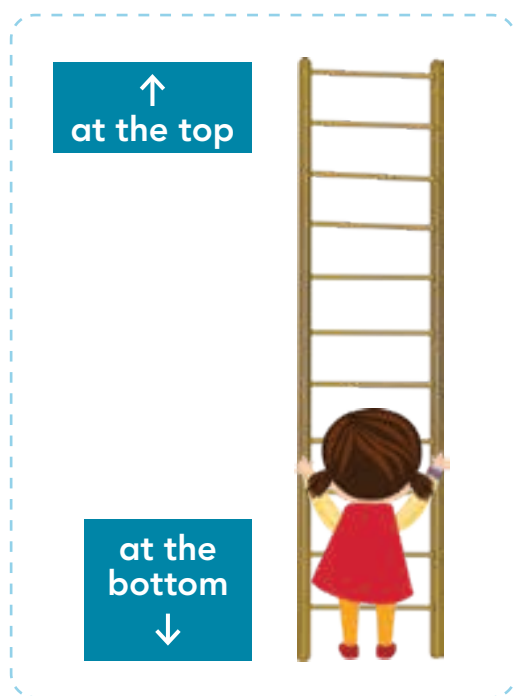


Monster Land

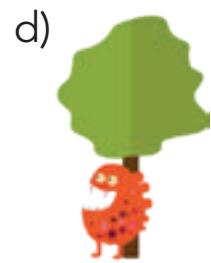
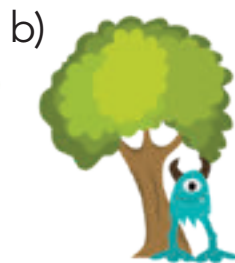
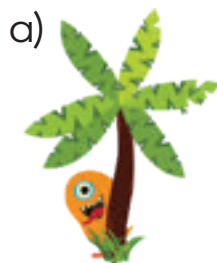
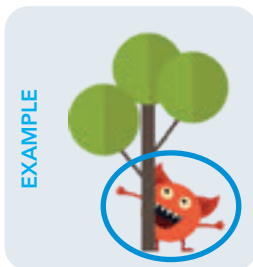


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Spatial Relationships




1 Circle the monsters who are **behind** a tree.



2 Circle the monsters who are telling the truth.

EXAMPLE I am **at the bottom** of the tree.



a) I am **under** the box.



b) I am **at the top** of the tree.



c) I am **in front of** the mailbox.



d) I am **to the right** of the tree.



e) I am **behind** the mailbox.



3 Draw shapes on the trees on Monster Street.

a) Draw a \diamond on the tree **to the left** of .

b) Draw a \triangle on the tree **to the right** of .

c) Draw an **X** on the tree **to the left** of .

d) Draw a \bigcirc on the tree **to the right** of .



4 Write true (T) or false (F) for each description.


EXAMPLE

The pink monster is **under** the snake.

T

- a) The wasps' nest is **under** the green monster.
- b) The green monster is **to the left** of the tree.
- c) The owl is **on** the branch.
- d) The wasps' nest is **to the right** of the bird's nest.
- e) The flowers are **on** the lawn.



5  wants to go home. Follow the directions to **draw** his route.

2 → 2 ↑ 1 ← 3 ↑ 4 → 1 ↓ 2 → 2 ↑




Make sure you draw the arrows in the right direction.



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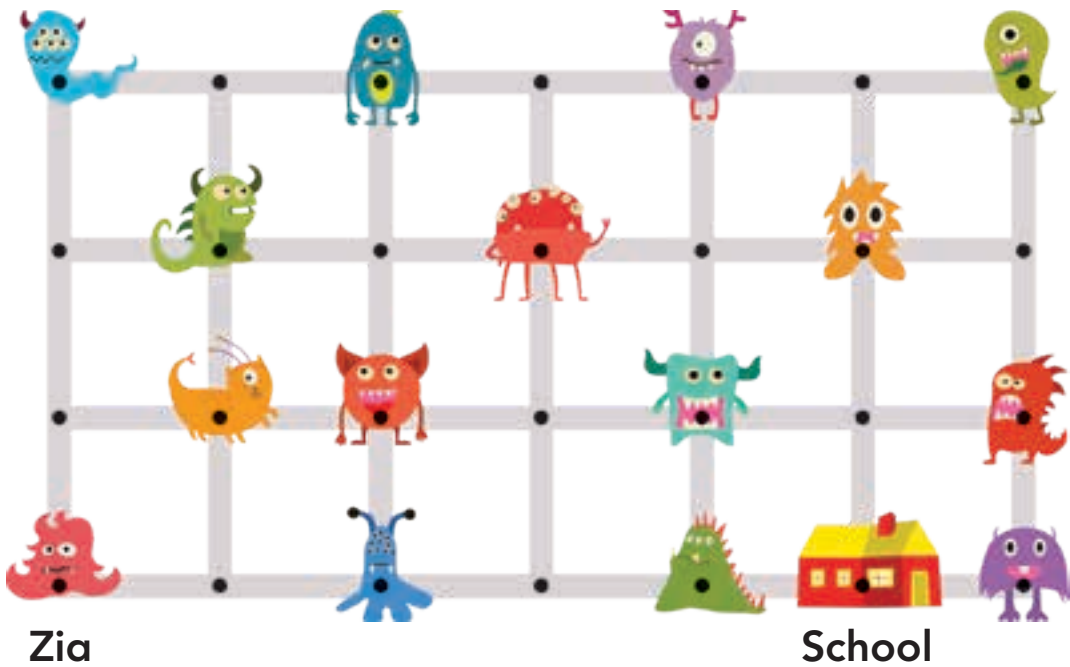
I Use Reasoning



Zia  goes to the monsters' school. She takes this route:



How many monsters does Zia meet on her way to school?



Zia meets monsters.

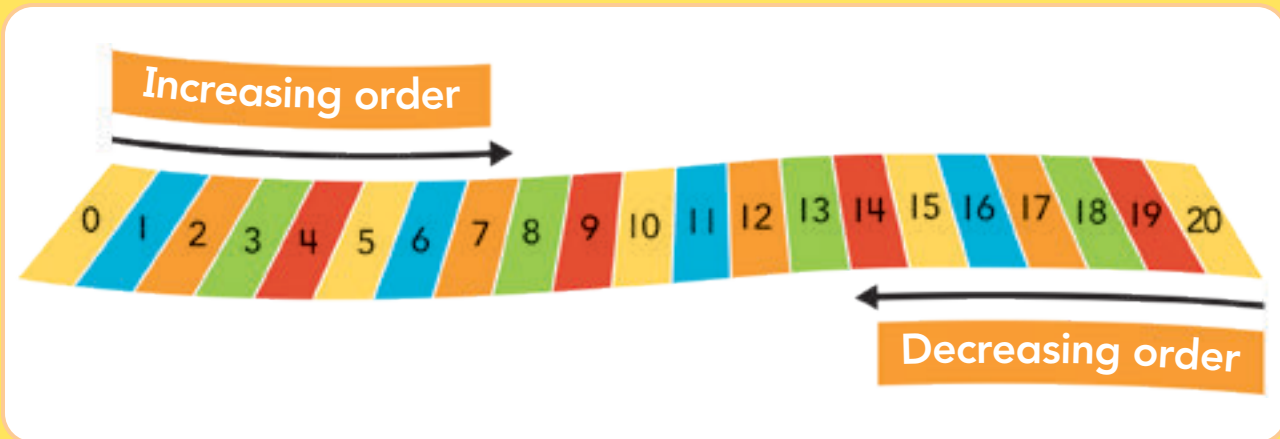
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Who am I? **Circle** the correct answer.

- I am behind a yellow monster.
- I am in front of a green monster.
- To my left is a green monster.



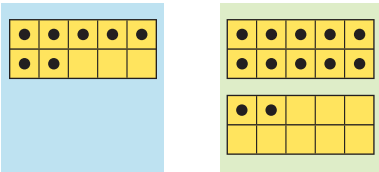
Numbers 0 to 20



Smaller Than (<), Bigger Than (>), Equal To (=)

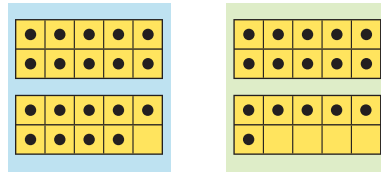
$$7 < 12$$

is smaller than



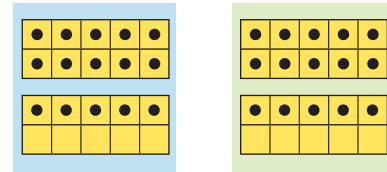
$$19 > 16$$

is bigger than



$$15 = 15$$

is equal to



1 Match each group of numbers to the correct order.

EXAMPLE

4 - 8 - 12 - 16

Increasing
order

• 3 - 11 - 13 - 19

13 - 15 - 17 - 19

Decreasing
order

• 14 - 10 - 6 - 2

20 - 16 - 11 - 7

• 18 - 15 - 12 - 9

2 Write the numbers in increasing order.



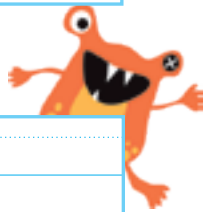
a) 13 - 9 - 17 - 3

b) 20 - 14 - 8 - 5

c) 10 - 6 - 0 - 15

3 Write 7 different numbers between 0 and 20.

Rewrite the numbers in increasing order.



4 Write 7 different numbers between 0 and 20.


Rewrite the numbers in decreasing order.



5 Write the number represented by each picture.
 In the ○, write the correct symbol: <, > or =.


EXAMPLE

13



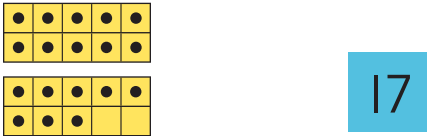
13 > 8

a)




○

b)




○

c)



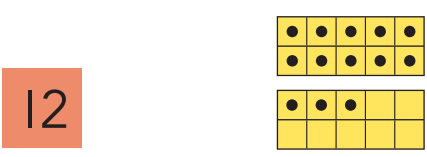
○

d)



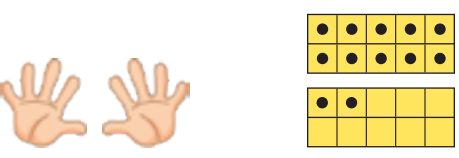
○

e)




○

f)



○


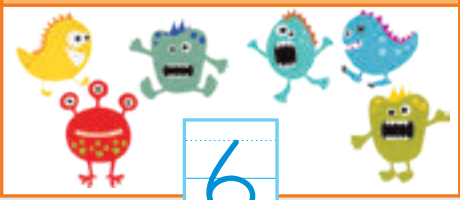
g)



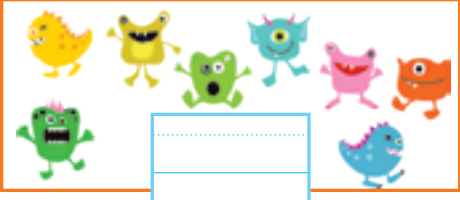
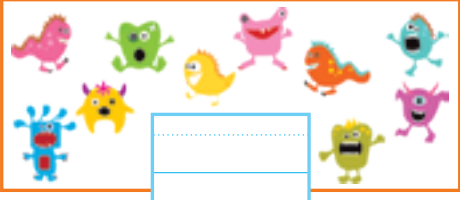
○

- 6 Write the number of monsters on each team.
In the ○, write the correct symbol: <, > or =.



EXAMPLE

Team 1	Team 2
	
9	6
>	

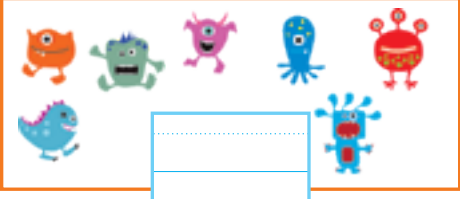
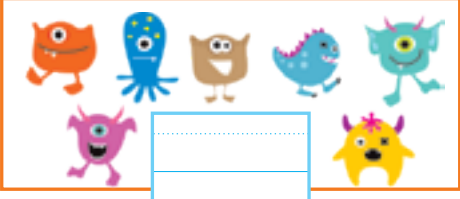
a)

Team 1	Team 2
	
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
○	


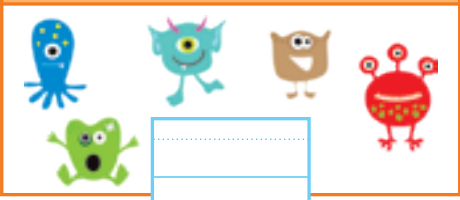
b)

Team 1	Team 2
	
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
○	

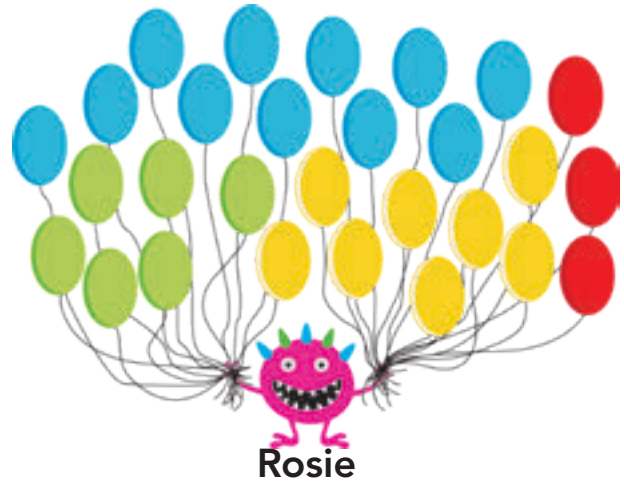
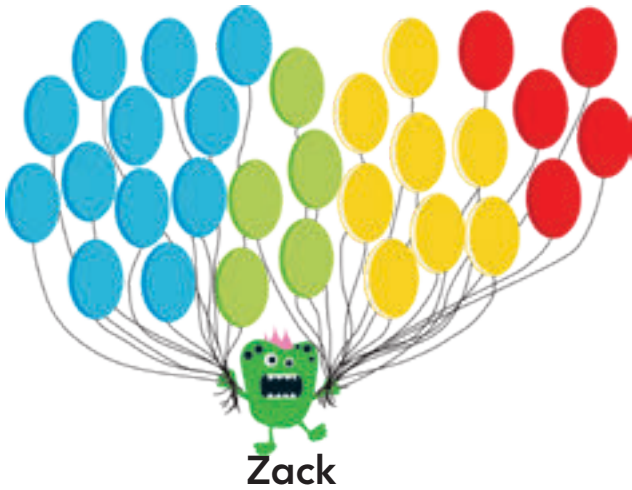
c)

Team 1	Team 2
	
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
○	

d)

Team 1	Team 2
	
<input type="text"/> <input type="text"/> <input type="text"/>	<input type="text"/> <input type="text"/> <input type="text"/>
○	

7 Compare the numbers of balloons of each colour that Zack and Rosie have.



Write the numbers of balloons of each colour.
In the ○, **write** the correct symbol: <, > or =.

EXAMPLE

Red balloons

Zack Rosie

5 > 3

a) Yellow balloons

Zack Rosie

○

b) Green balloons

Zack Rosie

○

c) Blue balloons

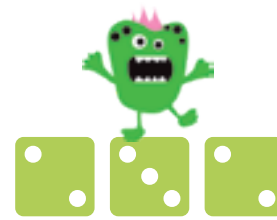
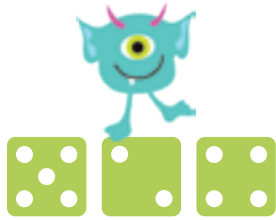
Zack Rosie

○



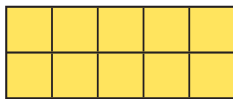
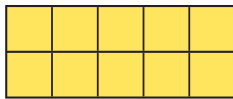
I Use Reasoning

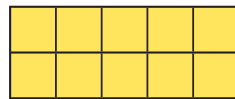
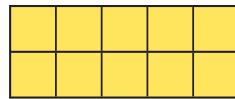
Three monsters are playing with dice. These are their rolls:

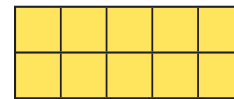
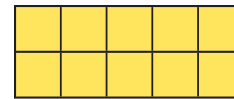


The winner is the monster who rolled a total number that is **smaller than 10** and **bigger than 8**.

Circle the monster who won.







Draw an X on the numbers that are bigger than 15 and equal to or smaller than 13.

Circle the number that is left.

18	12	3	5
13	8	15	10
4	16	9	19
11	2	17	6



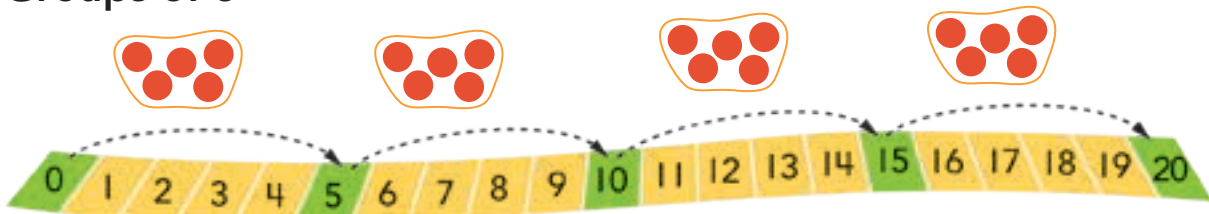
Counting Strategies

Groups of 2



There are 20 tokens in all.

Groups of 5



There are 20 tokens in all.

I Write the number of tokens in each set.

EXAMPLE

A rectangular box containing 12 blue tokens arranged in two rows of six. Below the box is a small box containing the number 12, followed by the text "tokens".

a)

A rectangular box containing 14 green tokens arranged in two rows of seven. Below the box is a small box with a dotted line for writing, followed by the text "tokens".

b)

A rectangular box containing 10 red tokens arranged in two rows of five. To the right of the box is a cartoon orange cat. Below the box is a small box with a dotted line for writing, followed by the text "tokens".

c)

A rectangular box containing 14 teal tokens arranged in two rows of seven. Below the box is a small box with a dotted line for writing, followed by the text "tokens".

2 Write the number of tokens in each set.

EXAMPLE

10 tokens

a)

tokens

b)

tokens

c)

tokens

d)

tokens

e)

tokens

f)

tokens


g)

tokens

3 Complete the information about the pictures.

A pair is a group of 2 objects.


EXAMPLE



Number of shoes:

Number of **pairs** of shoes:

a)



Number of eyes:

Number of **pairs** of eyes:


b)



Number of socks:

Number of **pairs** of socks:

c)

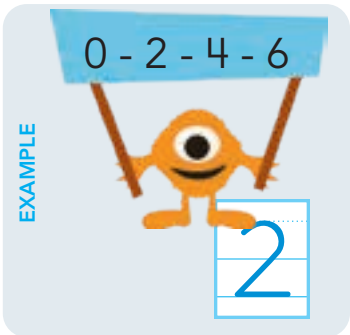


Number of horns:

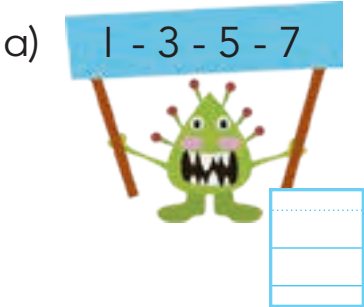
Number of **pairs** of horns:

4 Write the skip count in each group of numbers.

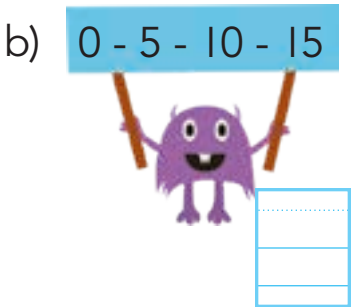
EXAMPLE



a)



b)



5 Circle the number where each monster will land.

Skip counts by 2s, 5 times

EXAMPLE

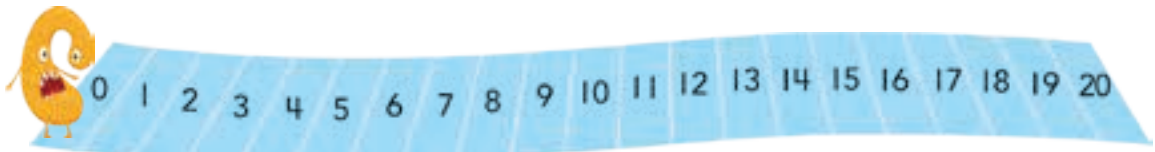


0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

a) Skip counts by 5s, 3 times



b) Skip counts by 2s, 6 times



c) Skip counts by 2s,
6 times



d) Skip counts by 5s,
2 times



e) Skip counts by 2s,
3 times



6 Write 2 or 5 to describe each skip count.

EXAMPLE

4 - 6 - 8 - 10

By s

a) By s

b) By s



7 Solve the problems.

a) Simon has 3 bags of 2 marbles. How many marbles does he have?



Simon has marbles.

b) Lulu has 2 boxes of 5 monster figurines. How many figurines does she have?



Lulu has figurines.

c) Lea has 3 jars of 5 cookies. How many cookies does she have?



Lea has cookies.



I Use Reasoning

3 monsters have fun skip counting.



skip counts by 5s, 3 times.



skip counts by 2s, 7 times.



skip counts by 2s, 6 times.



0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20



0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20



0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

Circle the monster who lands closest to 20.



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This monster skip counts by the same number across the tiles. **Write** the missing numbers.



8 18

Addition

3 + 2 = 5
2 + 3 = 5 — Sum

1st term 2nd term

Subtraction

5 - 3 = 2 — Difference

1st term 2nd term



I Do the additions.

EXAMPLE

4 + 2 = 6

a)

[] + [] = []

b)

[] + [] = []

c)

[] + [] = []

2 Do the subtractions.

EXAMPLE

4 - 3 = 1

a)

[] - [] = []

b)

[] - [] = []

c)

[] - [] = []

3 Represent each addition in a 10-frame. **Write** the sum.

I can represent additions and subtractions in a 10-frame.

EXAMPLE

$5 + 1 = 6$

a)

$3 + 6 =$



b)

$9 + 0 =$

c)

$5 + 5 =$

4 Represent each subtraction in a 10-frame. **Write** the difference.

EXAMPLE

$7 - 4 = 3$

a)

$6 - 3 =$



b)

$4 - 4 =$

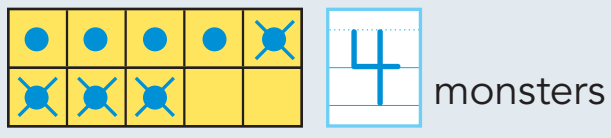

c)

$7 - 6 =$

- 5 Solve the problems. **Represent** the operation in a 10-frame and **write** the answer.

EXAMPLE

8 monsters are making music. 4 monsters have to leave. How many monsters are left?

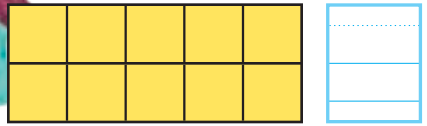
- a) 4 blue monsters and 5 red monsters are playing marbles. How many monsters are playing marbles?



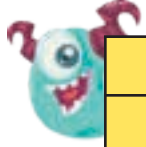
monsters



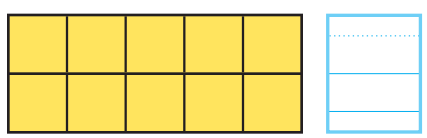
- b) 8 monsters want to put on a show. 3 monsters hide. How many monsters are in the show?




monsters



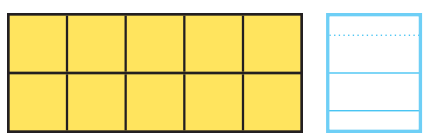
- c) 4 green monsters and 3 pink monsters are riding their bikes. How many monsters are riding their bikes?




monsters



- d) 9 monsters are dancing together. 5 monsters stop dancing. How many monsters are still dancing?



monsters



Mental Arithmetic

The effect of 0

$5 + 0 = 5$

$5 - 0 = 5$

+ 0 or - 0:
the number does not change.

1 less and 1 more



$3 - 1 = 2$

$3 + 1 = 4$

- 1 is the number **just before**.
+ 1 is the number **just after**.

2 fewer and 2 more



$3 - 2 = 1$

$3 + 2 = 5$

- 2 and **+ 2** are skip counts of 2.



1 Write the answers.

EXAMPLE

$3 + 2 = 5$

$a) 3 + 1 = \boxed{}$

$b) 1 - 0 = \boxed{}$

$c) 4 - 1 = \boxed{}$

$d) 1 + 2 = \boxed{}$

$e) 5 - 1 = \boxed{}$

$f) 3 - 2 = \boxed{}$

$g) 5 - 2 = \boxed{}$

$h) 1 + 4 = \boxed{}$




$i) 1 + 1 = \boxed{}$



$j) 4 - 2 = \boxed{}$

$k) 2 + 3 = \boxed{}$

I Use Reasoning

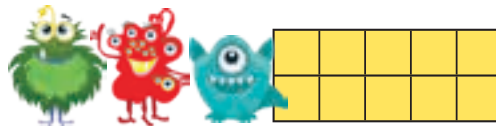
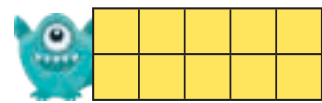
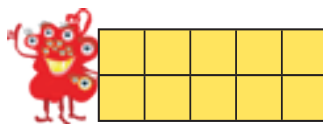
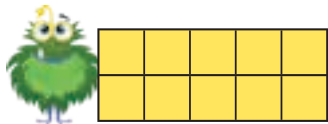


 ,  and  organize some games.

 organizes 3 games.  organizes 4 games.

 organizes 3 **fewer** games than .


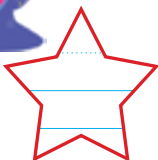
How many games do the 3 monsters organize in all?


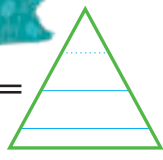



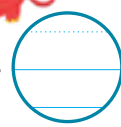
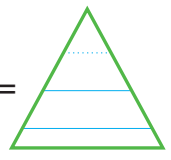
The 3 monsters organize games in all.

Stretch

Find the correct number for each shape.

 $5 + 3 =$ 

 $- 2 =$ 

 $-$  $=$ 



$=$



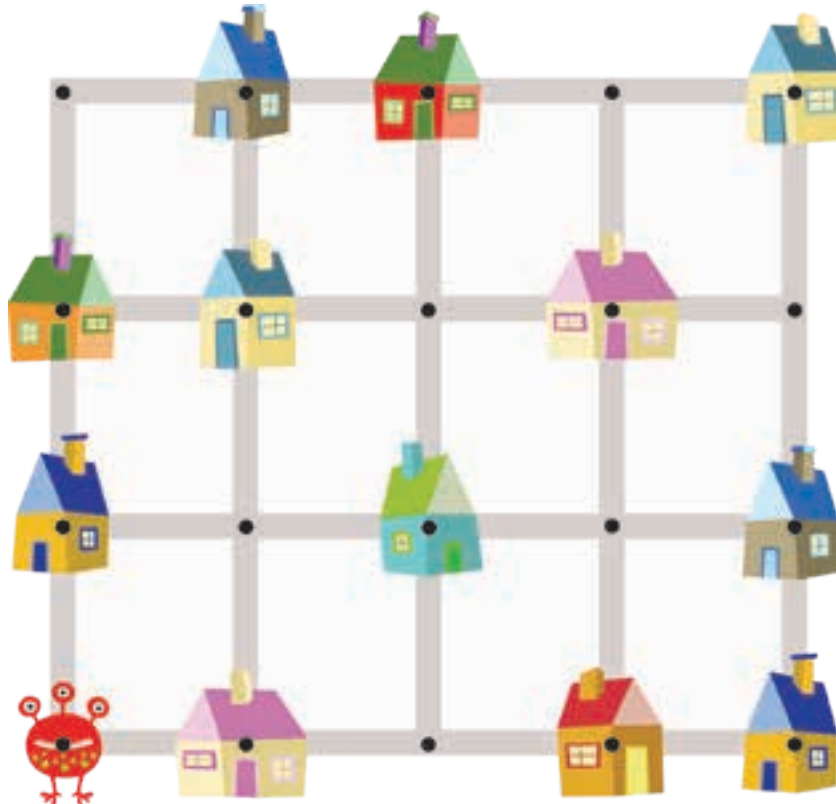
$=$



$=$

Review

- 1 Follow the directions to **draw** the monster's route.
Circle the house where she ends up.



Start

- 2 Write the number represented by each picture.
 In the ○, write the correct symbol: <, > or =.

a)

<input type="text"/>	<input type="text"/>

○

b)

<input type="text"/>	<input type="text"/>

○

3 Write the missing number.
Circle the correct type of skip count.

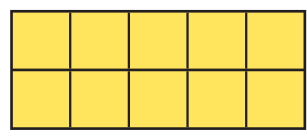
a) 0-5-10-15- Skip counts by 2 5

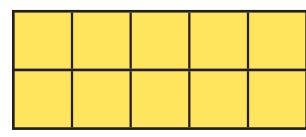
b) 3-5-7-9- Skip counts by 2 5

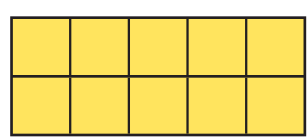
c) 6-8-10-12- Skip counts by 2 5

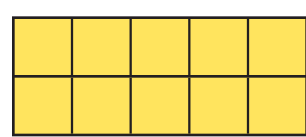


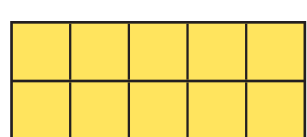
4 Represent the addition or the subtraction in a 10-frame.
Write the answer.

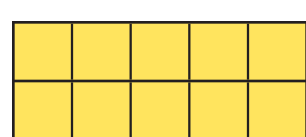
a) 
 $4 + 3 =$

b) 
 $5 + 4 =$

c) 
 $6 - 3 =$

d) 
 $9 - 8 =$




e) 
 $7 + 2 =$

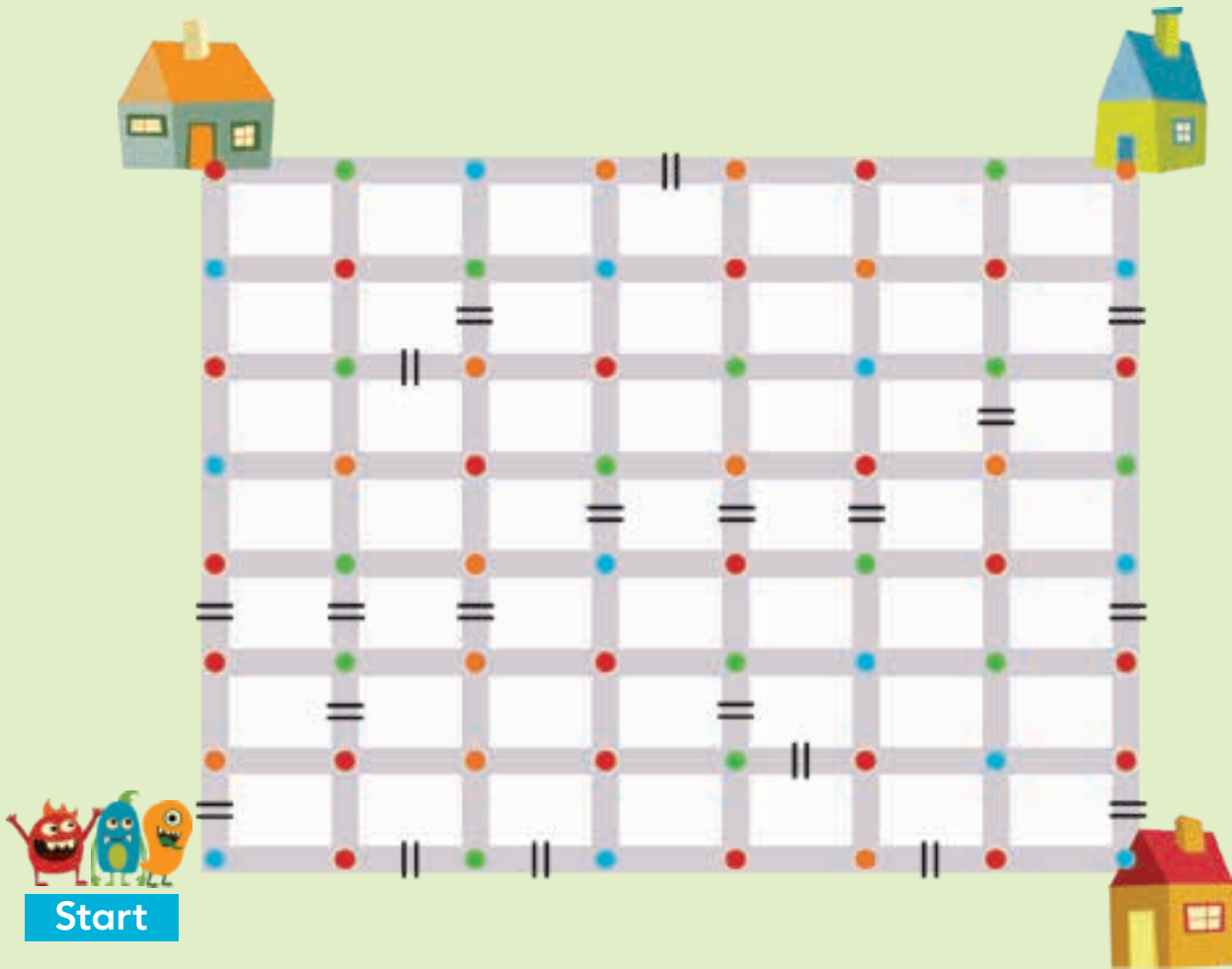
f) 
 $4 - 4 =$

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Stretch +

Home Safe!

 ,  and  are going home. Help each monster find his way. Watch out! The || symbol blocks the way sometimes. The monsters cannot pass there.



Start





