



# The Missing Disco Ball Mystery

A LITERACY AND MATH MYSTERY

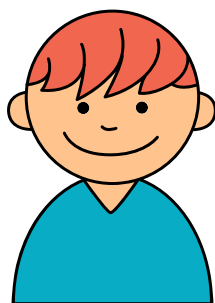


It was New Year's Eve, and Alyssa's family was hosting a big party at their home. In the living room, a shiny silver disco ball hung from the ceiling, casting sparkling lights everywhere—until it suddenly disappeared! The string was still hanging, but the disco ball was completely gone! Alyssa needs a math detective to help her figure out who took the disco ball and why it was stolen before the countdown to midnight begins. Can you crack the case and solve the mystery?

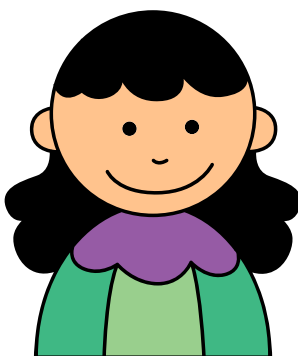
## Alyssa needs a math detective to find out:

- **Who took the disco ball?** Practice telling time to reveal the thief! Paste your answer in the box in the case file.
- **Why did they take the disco ball?** Double numbers to reveal the reason why the ball was taken. Paste your final answer in the box in the case file.

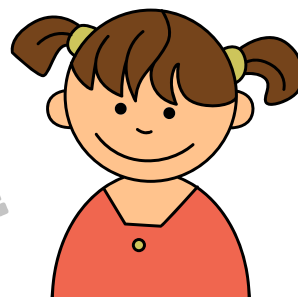
Solve the mystery - Paste all the correct answers in the clue boxes.



Who?



Why?





# The Missing Disco Ball Mystery CASE FILE



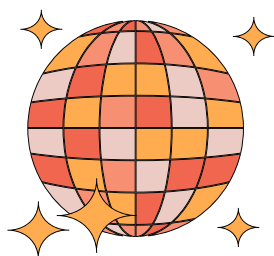
## MATH MYSTERY ANSWER SHEET

### INSTRUCTIONS:

Paste your cut outs from each clue into the empty spaces below.

Each clue will tell you which question is answered from the mystery.

Show your teacher your casefile once all the squares have been filled in.

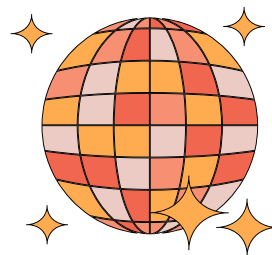


**Who**

TOOK THE  
DISCO BALL?

**Why**

DID THEY  
TAKE THE  
DISCO BALL?



### TEACHER CHECK:

☐ All answers are correct. **You've solved the mystery!**

☐ Check your answers! Look over each clue and try again.



# The Missing Disco Ball Mystery

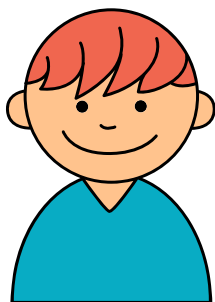
A LITERACY AND MATH MYSTERY



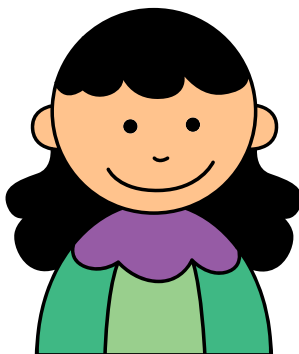
It was New Year's Eve, and Alyssa's family was hosting a big party at their home. In the living room, a shiny silver disco ball hung from the ceiling, casting sparkling lights all around the room. Alyssa was so excited for the countdown to midnight when they would dance under the disco ball. But just as her parents brought out the snacks, Mia noticed something strange—the disco ball was gone! The string was still hanging from the ceiling, but the ball had completely disappeared!

Who could have taken the disco ball? Three of Alyssa's cousins (Neil, Arianne, and Janice) had been playing nearby, and Alyssa suspected that one of them had snatched it. She saw that Neil was holding a shiny ribbon, Arianne had glitter on her hands, and Janice had a small silver sticker stuck to her sleeve.

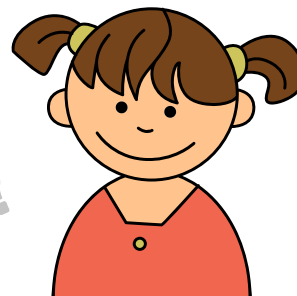
Why would one of her cousins have taken the disco ball? Did they want to play with it? Did they want to use it as a decoration for their room? Or, did they accidentally knock it down? Alyssa could use your help, math detective, to solve the problems and collect the clues to reveal the answers to her questions!



Who?



Why?





# The Missing Disco Ball Mystery Clue #1



## WHO TOOK THE DISCO BALL?

### INSTRUCTIONS:

Let's build fact fluency with telling time! Tell time to match and place letters in the boxes. This will reveal the secret message and the clue! Put the letter in every box it matches (there may be more than one).

--	--

12:15   7:30

--	--	--

3:00   8:45   5:45

--	--	--	--

5:15   7:00   12:15   3:15

A	E	I	L	N	W	T	S



Who

NEIL

Who

ARIANNE

When

JANICE



## The Missing Disco Ball Mystery Clue #2



WHY DID THEY TAKE THE DISCO BALL?

### INSTRUCTIONS:

Let's practice with doubling numbers! In the white box, write the number you get when you double the number in the gray box. The first one is done for you as an example. When you're done, color in the square with the right color according to the key below. Remember to color in the first one as well! The color most used will reveal the answer.

Numbers 19-28  
Color **YELLOW**

Numbers 29-38  
Color **PURPLE**

Numbers 39-48  
Color **ORANGE**

17	34	11	
20		19	
12		22	
23		10	
14		13	

CCSS.MATH.CONTENT.2.OA.2, NBT.5



MOSTLY **YELLOW**

MOSTLY **PURPLE**

MOSTLY **ORANGE**

**Why**  
TO PLAY  
WITH IT

**Why**  
TO USE AS A  
DECORATION

**Why**  
IT WAS AN  
ACCIDENT



## The Missing Disco Ball Mystery CASE FILE



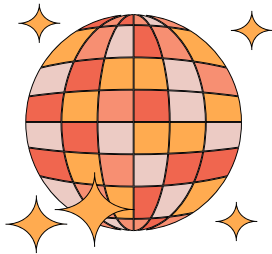
### MATH MYSTERY ANSWER SHEET

#### INSTRUCTIONS:

Paste your cut outs from each clue into the empty spaces below.

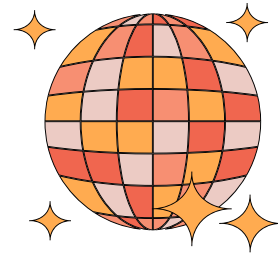
Each clue will tell you which question is answered from the mystery.

Show your teacher your casefile once all the squares have been filled in.



Who  
NEIL

Why  
TO PLAY  
WITH IT



#### TEACHER CHECK:



☒ All answers are correct. **You've solved the mystery!**



☐ Check your answers! Look over each clue and try again.



## The Missing Disco Ball Mystery Clue #1



### WHO TOOK THE DISCO BALL?

#### INSTRUCTIONS:

Let's build fact fluency with telling time! Tell time to match and place letters in the boxes. This will reveal the secret message and the clue! Put the letter in every box it matches (there may be more than one).

I	T
---	---

12:15 7:30

W	A	S
---	---	---

3:00 8:45 5:45

N	E	I	L
---	---	---	---

5:15 7:00 12:15 3:15

A	E	I	L	N	W	T	S



Who  
NEIL

Who  
ARIANNE

When  
JANICE



## The Missing Disco Ball Mystery Clue #2



WHY DID THEY TAKE THE DISCO BALL?

### INSTRUCTIONS:

Let's practice with doubling numbers! In the white box, write the number you get when you double the number in the gray box. The first one is done for you as an example. When you're done, color in the square with the right color according to the key below. Remember to color in the first one as well! The color most used will reveal the answer.

Numbers 19-28  
Color **YELLOW**

Numbers 29-38  
Color **PURPLE**

Numbers 39-48  
Color **ORANGE**

17	34	11	22
20	40	19	38
12	24	22	44
23	46	10	20
14	28	13	26

CCSS.MATH.CONTENT.2.OA.2, NBT.5



MOSTLY **YELLOW**

MOSTLY **PURPLE**

MOSTLY **ORANGE**



**Why**  
TO PLAY  
WITH IT

**Why**  
TO USE AS A  
DECORATION

**Why**  
IT WAS AN  
ACCIDENT