

# MULTIPLES MYSTERY ACTIVITY

## MULTIPLES

ENGAGE YOUR UPPER ELEMENTARY STUDENTS WITH A LITTLE MYSTERY DURING THEIR MATH HOUR WITH THESE MULTIPLES MYSTERY CARDS! STUDENTS WORK THROUGH A SET OF CARDS ANSWERING QUESTIONS ABOUT MULTIPLES. EACH ANSWER BRINGS THEM ONE STEP CLOSER TO SOLVING THE MYSTERY!

### The Case Of The Stolen Pizza Mystery Clue Sheet

Oh no! Someone stole Charlotte's pizza out of her lunchbox! Can you help figure out who stole it, where they took it and ate it, and what he or she read while eating it? Solve the problem on each card and record its answer below. Under each answer is a clue. When you get the clue, mark it off here. After you have finished all the problems, the suspect, location, and the reading material that isn't marked off are the answers to our crime! Good luck!

The Suspects	
Amari	<input type="checkbox"/>
Timothy	<input type="checkbox"/>
Fang	<input type="checkbox"/>
Joshua	<input type="checkbox"/>
Ayana	<input type="checkbox"/>
Ava	<input type="checkbox"/>
Kalisha	<input type="checkbox"/>
Brooke	<input type="checkbox"/>
Ashley	<input type="checkbox"/>
Victory	<input type="checkbox"/>

The Locations	
The Playground	<input type="checkbox"/>
The School Office	<input type="checkbox"/>
The Hallway	<input type="checkbox"/>
The Cafeteria	<input type="checkbox"/>
The Music Room	<input type="checkbox"/>
The Art Room	<input type="checkbox"/>
The Gymnasium	<input type="checkbox"/>
The Library	<input type="checkbox"/>
The School Bus	<input type="checkbox"/>
Your classroom	<input type="checkbox"/>

Reading Material	
A magazine	<input type="checkbox"/>
A novel	<input type="checkbox"/>
A graphic novel	<input type="checkbox"/>
A newspaper	<input type="checkbox"/>
An encyclopedia	<input type="checkbox"/>
A dictionary	<input type="checkbox"/>
A poetry book	<input type="checkbox"/>
A comic book	<input type="checkbox"/>
A picture book	<input type="checkbox"/>
A textbook	<input type="checkbox"/>

### Answer Recording Sheet

Record your answers for each problem below.

1	10	11	20
2	11	12	21
3	12	13	22
4	13	14	23
5	14	15	24
6	15	16	25
7	16	17	26
8	17	18	27
9	18		28

Which number is **NOT** a multiple of **8**?

I know if we can find the right answer, we will find a clue...

64	72	120	140
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The thief is Fang.      The thief is not Ayana.      The thief is not Kalisha.      The thief is not Amari.

Which number is **NOT** a multiple of **6**?

I know if we can find the right answer, we will find a clue...

54	30	24	56
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The thief did not eat it in the library.      The thief did not eat it in the classroom.      The thief did not eat it in the hallway.      The thief did not eat it in the cafeteria.

## MYSTERY ACTIVITY

# CONCEPTS COVERED

- ✓ MULTIPLES OF NUMBERS
- ✓ PRACTICE OF THE NOT QUESTION (LIKE ON TEST)  
(SEE IMAGE TO THE RIGHT)

Which number is **NOT** a multiple of 8

CLUE: 6

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64	72	120	140
The thief is not Fang.	The thief is not Ayana.	The thief is not Kalisha.	The thief is not Amari.

# WHY YOU AND YOUR STUDENTS WILL LOVE THIS RESOURCE

- ✓ STUDENTS SOLVE A MYSTERY AS THEY WORK THROUGH THE MATH PROBLEMS. THEY HAVE TO GET THE PROBLEMS CORRECT TO GET THE CORRECT CLUE!
- ✓ STUDENTS CAN WORK INDEPENDENTLY, IN PAIRS, SMALL GROUPS, OR AS A WHOLE CLASS ACTIVITY.
- ✓ STUDENTS ARE ENGAGED AND INVESTED.

## The Case Of The Stolen Pizza Mystery Clue Sheet

Oh no! Someone stole Charlotte's Pizza out of her lunchbox! Can you help figure out who stole it, where they took it and ate it, and what he or she read while eating it?



Solve the problem on each card and record its answer below. Under each answer is a clue. When you get the clue, mark it off here. After you have finished all the problems, the suspect, location, and the reading material that isn't marked off are the answers to our crime! Good luck!

The Suspects ✓	The Locations ✓	Reading Material ✓
Amari	The Playground	A magazine
Timothy	The School Office	A novel
Fang	The Hallway	A graphic novel
Joshua	The Cafeteria	A newspaper
Ayana	The Music Room	An encyclopedia
Ava	The Art Room	A dictionary
Kalisha	The Gymnasium	A poetry book
Brooke	The Library	A comic book
Ashley	The School Bus	A picture book
Victory	Your Classroom	A textbook

### Answer Recording Sheet

Record your answers for each problem below.

1		10		19	
2		11		20	
3		12		21	
4		13		22	
5		14		23	
6		15		24	
7		16		25	
8		17		26	
9		18		27	

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# WHAT'S INCLUDED

I know if we can find the right answer, we will find a clue...

Which number is **NOT** a multiple of **6**

CLUE: 25

54	30	24	56
The thief did not eat it in the library.	The thief did not eat it in the classroom.	The thief did not eat it in the hallway.	The thief did not eat it in the cafeteria.

RECORDING SHEET

MYSTERY CLUE SHEET

27 MULTIPLE PRACTICE CARDS

COLOR OR B/W VERSION

ANSWER KEYS