

**MATH MYSTERY**

**CASE OF THE**  
**SCHOOL**  
**INVADERS**  
**GRADE 5**

G. A. JONES

Summary

#### Box 1. Resource Credits

Crack the code by completing the division facts below. Use your answers to match

1999

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Crack the code by reducing the fractions below as much as possible. Use your answers to match and place the letters in the boxes to reveal a clue. Put the letter in every box that it matches your answer in (there may be more than one). The first one has been done for you.

Pharmacokinetics

## Mrs. F. Suzanne Cleffner

Reveal a special message about the space invaders' transponder by completing the multiplication questions below. Use your answers to match and place the letters in the boxes to reveal the clue. Put the letter in every box that it matches your answer in (there may be more than one!) The first one has been done for you!

**Abstract**

### the 1980s: a decade of change

Discover another clue about where the transponder device is located by arranging the decimal numbers below in ascending order. Cut out the numbers (paired with letters) at the bottom of the page, arrange and paste them from smallest to largest into the empty boxes to make the letters reveal a clue.

Patients

### Site /s Resource Creation

Crack the code by first looking at each boxed pair of numbers. In each box, cross out the composite number and circle the prime number. Keep the letter of the prime number visible to reveal a helpful clue at the end.  
*The first one has been done for you.*

## MATH MYSTERY: CASE OF THE SCHOOL INVADERS

## POSSIBLE LOCATIONS

| Location               | Main type of object in area | In or Out of The School Grounds | Indoors/ Outdoors | Positional Direction | Classify Crash Site |
|------------------------|-----------------------------|---------------------------------|-------------------|----------------------|---------------------|
| The Principal's Office | Books                       | In                              | Indoors           | North                | Closed              |
| The Playground         | Trees                       | In                              | Outdoors          | East                 | Closed              |

|     |       |        |
|-----|-------|--------|
| ers | West  | Closed |
| ers | South | Closed |
| ers | North | Far    |
| ers | East  | Closed |
| ers | South | Far    |
| ers | North | Closed |
| ers | South | Far    |
| ers | West  | Closed |
| ers | South | Far    |
|     | North | Closed |
|     | North | Closed |
|     | West  | Closed |
|     | East  | Closed |
|     | South | Closed |

**VIDEO HOOK INCLUDED!**

**FIVE MATH  
WORKSHEETS  
WITH CLUES  
TO CRACK!**

|      |      |      |      |      |     |      |
|------|------|------|------|------|-----|------|
| 0.45 | 0.36 | 0.06 | 0.59 | 0.01 | 0.2 | 0.53 |
| K    | Y    | I    | O    | I    | N   | R    |

|      |      |      |      |      |     |      |      |   |
|------|------|------|------|------|-----|------|------|---|
| 0.55 | 0.29 | 0.31 | 0.11 | 0.38 | 0.6 | 0.08 | 0.50 |   |
| F    | A    | A    | N    | B    | D   | S    | O    | N |

|      |      |      |      |     |      |     |
|------|------|------|------|-----|------|-----|
| 0.03 | 0.48 | 0.22 | 0.15 | 0.5 | 0.42 | 0.3 |
| T    | S    | E    | O    | O   | O    | R   |

|   |   |    |    |    |
|---|---|----|----|----|
| 3 | 9 | 11 | 23 | 14 |
| T | S | H  | E  | F  |

|   |       |       |
|---|-------|-------|
| 5 | 32 31 | 17 18 |
| I | A C   | E T   |

|    |    |    |
|----|----|----|
| 35 | 47 | 42 |
| T  | N  | T  |

54  
T E



**CORRECT MATH ANSWERS ON EACH WORKSHEET WILL UNLOCK A CLUE!**

|   |   |    |   |   |
|---|---|----|---|---|
|   |   | 0  |   |   |
| 3 | 8 | 10 | 2 | 6 |

|   |    |
|---|----|
|   | 0  |
| 1 | 10 |

$$10 \div 1 = \frac{10}{0}$$



**STUDENTS MUST USE CRITICAL THINKING AND DEDUCTIVE REASONING TO NARROW DOWN A LIST OF POSSIBLE SUSPECTS!**

Name: \_\_\_\_\_

Ms. Dr. Detective's Office

| Location                        | Main type of object in area | In or Out of The School Grounds | Indoors/Outdoors    | Proximal Direction | Close/Far from Crime Site |
|---------------------------------|-----------------------------|---------------------------------|---------------------|--------------------|---------------------------|
| <del>The School's Office</del>  | <del>Books</del>            | <del>In</del>                   | <del>Indoors</del>  | <del>North</del>   | <del>Close</del>          |
| The Playground                  | Trees                       | In                              | Outdoors            | East               | Close                     |
| The Library                     | Books                       | Out                             | Indoors             | West               | Close                     |
| Crystal Lake                    | Trees                       | Out                             | Outdoors            | South              | Close                     |
| The Cheese Factory              | Food                        | Out                             | Indoors             | North              | Far                       |
| <del>The School Cafeteria</del> | <del>Food</del>             | <del>In</del>                   | <del>Indoors</del>  | <del>East</del>    | <del>Close</del>          |
| <del>The School Garden</del>    | <del>Trees</del>            | <del>Out</del>                  | <del>Outdoors</del> | <del>South</del>   | <del>Close</del>          |
| The Wizard's Tower              | Books                       | Out                             | Indoors             | North              | Close                     |
| Peter's Pizzeria                | Food                        | Out                             | Indoors             | South              | Far                       |
| The Whispering Woods            | Trees                       | Out                             | Outdoors            | West               | Close                     |
| Martini's Rainy Theme Cafe      | Food                        | Out                             | Indoors             | South              | Far                       |
| <del>The Teachers' Lounge</del> | <del>Books</del>            | <del>In</del>                   | <del>Indoors</del>  | <del>North</del>   | <del>Close</del>          |
| Viki's Vegetable Garden         | Food                        | Out                             | Outdoors            | North              | Close                     |
| Dr. Morton's Study              | Books                       | Out                             | Indoors             | West               | Close                     |
| <del>The School Garden</del>    | <del>Trees</del>            | <del>Out</del>                  | <del>Outdoors</del> | <del>South</del>   | <del>Close</del>          |
| The Fruit Market                | Food                        | Out                             | Outdoors            | South              | Close                     |

Solve the clues and then cross the location off the list until one remains! The last location remaining is where the school's mysterious transponder can be found!

Some clues are **tricky**! Sometimes the message will hint what to cross off and some clues will hint what to keep.



# Super Detective Work!

Awarded To: \_\_\_\_\_

For solving the Math Mystery:  
Case of The School Invaders

**Awards** included to  
print and give to your  
student detectives  
when they solve the  
case!

# Super Detective Work!

Awarded To: \_\_\_\_\_

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