

OUTBREAK INVESTIGATOR WORKSHEETS

AN INQUIRY ACTIVITY: BECOME AN OUTBREAK INVESTIGATOR

This worksheet booklet includes:

- Vocabulary definitions and health facts worksheet
- Math notes worksheet
- Task 1 worksheet
- Task 2 worksheet
- Task 3 worksheet
- Task 4 worksheet
- Task 5 worksheet
- Task 6 worksheet
- Reports writing worksheet for Tasks 3, 4, 5 and 6

Write the **VOCAB** **Aa** vocabulary definition **SOURCE**  source and **HEALTH FACTS**  health facts in the space provided.

STUDENT NAME		
VOCABULARY TERM	DEFINITION	HEALTH FACTS
Disease Outbreak Source Who said this?		
Measles Source Who said this?		
Communicable Disease Source Who said this?		
Vaccine Source Who said this?		
Unvaccinated Source Who said this?		
Herd Immunity Source Who said this?		

STUDENT NAME



MATH NOTES Use this space to write any information that might help you remember how to do math calculations to complete your tasks.

STUDENT NAME

TASK 1 NAME THIS INVESTIGATION PROJECT



Use this space to write possible project names. It's OK to be messy, you're brainstorming. Try to come up with a catchy name that sounds original. You want to impress your boss and keep your job, so try your best.

You might want to try alliteration - using words that start with the same letter, for example, "Searching for Sick People" or "Measuring Measles". Or try adding a strong word to your title such as "Plan" or "Strategy". Have fun!

This is a title that you're making so remember to start important words with a capital. Non-important words such as prepositions (words like "on", "to", "for", "with") and conjunctions (joining words like "but", "and") are in lower letters, unless they are the first word.

SOURCE SOURCE Who gave you this information and what is their job? For Task 1 you are the source.



REPORT TASK 1 REPORT



Copy the words written here onto the lines below and fill in the blank: **The name of the investigation project is _____**

Remember to use capitals for the name. Use a pencil so you can make changes easily. Print neatly. Check spelling & punctuation.

When finished, have a partner check your "spelling and punctuation". Fix any mistakes. Make sure your name is on this.

STUDENT NAME

TASK 2 IDENTIFY THE SCHOOL WHERE THE MEASLES
OUTBREAK HAS HAPPENED



DATA

SOURCE



SOURCE Who gave you this information and what is their job?

REPORT



TASK 2 REPORT

Copy the words written here onto the lines below and fill in the blank: **A measles outbreak has occurred in a school. The school where the measles outbreak has occurred has been identified as _____.**
Remember capitals for the school. Use a pencil so you can make changes easily. Print neatly. Check your "spelling and punctuation".

When finished, have a partner check your "spelling and punctuation". Fix any mistakes. Make sure your name is on this.

STUDENT NAME

TASK 3 FIND THE PERCENTAGE OF STUDENTS WITH MEASLES



DATA Use this space to write down any information that might help you communicate with fractions, ratios and percents.



SOURCE Who gave you this information and what is their job?



MATH Use the graph paper below to make your thinking for with these calculations visible.

EXAMPLE

$15 \div 25$

$$\begin{array}{r} 00.60 \\ 25 \overline{)15.00} \\ \underline{15\ 0\ 0} \\ 00 \\ \underline{00} \\ 0 \end{array}$$

$0.6 \times 100 = 60\%$ (Mental Math)

$$\begin{array}{r} 100 \\ \times 0.6 \\ \hline 60.0 \end{array}$$

The answer is 60%

You will do the reports for Tasks 3, 4, 5, and 6 altogether at the end. No writing needed now.

STUDENT NAME

TASK 4 FIND THE PERCENTAGE OF PEOPLE IN THE CITY WITH MEASLES



DATA Use this space to write down any information that might help you communicate with fractions, ratios and percents.



SOURCE Who gave you this information and what is their job?



MATH Use the graph paper below to make your thinking for with these calculations visible.

EXAMPLE

$15 \div 25$

$$\begin{array}{r} 00.60 \\ 25 \overline{)15.00} \\ \underline{15\ 0\ 0} \\ 00 \\ \underline{00} \\ 0 \end{array}$$

$0.6 \times 100 = 60\%$ (Mental Math)

$$\begin{array}{r} 100 \\ \times 0.6 \\ \hline 60.0 \end{array}$$

The answer is 60%

You will do the reports for Tasks 3, 4, 5, and 6 altogether at the end. No writing needed now.

STUDENT NAME

TASK 5

FIND THE PERCENTAGE OF STUDENTS THAT ARE UNVACCINATED FOR MEASLES



DATA

Use this space to write down any information that might help you communicate with fractions, ratios and percents.



SOURCE

Who gave you this information and what is their job?



MATH

Use the graph paper below to make your thinking for with these calculations visible.

EXAMPLE

$$15 \div 25$$

$$\begin{array}{r} 0.60 \\ 25 \overline{)15.00} \\ \underline{15\ 0\ 0} \\ 00 \\ \underline{00} \\ 0 \end{array}$$

$$0.6 \times 100 = 60\% \quad (\text{Mental Math})$$

$$\begin{array}{r} 100 \\ \times 0.6 \\ \hline 60.0 \end{array}$$

The answer is 60%

You will do the reports for Tasks 3, 4, 5, and 6 altogether at the end. No writing needed now.

STUDENT NAME

TASK 6

FIND THE NUMBER OF STUDENTS THAT NEED TO BE VACCINATED FOR THE SCHOOL TO BE SAFE



DATA Use this space to write down any information that might help you communicate with fractions, ratios and percents.



SOURCE Who gave you this information and what is their job?



MATH Use the graph paper below to make your thinking for with these calculations visible.

EXAMPLE

$$15 \div 25$$

$$\begin{array}{r} 00.60 \\ 25 \overline{)15.00} \\ \underline{15\ 0\downarrow} \\ 00 \\ \underline{00} \\ 0 \end{array}$$

$$0.6 \times 100 = 60\% \quad (\text{Mental Math})$$

$$\begin{array}{r} 100 \\ \times 0.6 \\ \hline 60.0 \end{array}$$

The answer is 60%

You will do the reports for Tasks 3, 4, 5, and 6 altogether at the end. No writing needed now.



REPORTS FOR TASKS 3, 4, 5, AND 6

STUDENT NAME

As a measles outbreak investigator you need to accurately report your findings for Tasks 3-6. Use spaces provided below. Use a pencil so you can make changes easily. Print neatly. Check your spelling and punctuation.

TASK 3:

TASK 4:

TASK 5:

TASK 6:

When finished, have a partner check your "spelling and punctuation". Fix any mistakes. Make sure your name is on this.