

# ADD & SUBTRACT

# MATH QUESTS

## CONCEPTS COVERED:

- ADDING NUMBERS WITHIN 1000
- SUBTRACTING NUMBERS WITHIN 1000
- WORD PROBLEMS
- READING COMPREHENSION SKILLS
- READING FLUENCY

**Downtown**

You follow the instructions on the poster and punch your number into the keypad underneath the bus stop sign.

The keypad responds with a happy-sounding chirp. You look around. You thought a bus would appear out of thin air.

And it does!

Well, not really. The bus just drives down the street like normal, but it did show up really quickly!

You climb on board. You see a sign that says, "Bus Fare: \$0.25." You panic for a moment. You don't have any money on you, but this bus is the only way downtown! You have to ride it!

The bus driver notices your concern and laughs. "Don't worry, kiddo," she says. "I'll let you on without paying... If you can solve this problem."

$656 - 177 = ?$

479      579      489

**Downtown**

You think about the problem for a moment. You don't want to miss this chance that the bus driver so kindly offered you. Finally, you give her your answer with a bright smile.

The bus driver smiles back. "You got it!" She says. She waves for you to take a seat.

You start to head down the aisle of the bus, but quickly realize that most seats are taken. You'll have to sit next to someone.

You plop down next to a random person and give them a small smile. They smile back.

As the bus starts to drive off, you put your spy glasses back on. You want to see into the shops downtown. Remember, you're looking for someone with a bright red shirt! It's difficult to see out of the bus window—the person you're sitting next to is in the way.

After a few moments, the person notices your frustration. "Do you want to switch spots?" They offer. When you nod, they say, "We can switch if you can solve my problem!"

ADDINGTON HAD 415 PIECES OF HAIL DURING A HAILSTORM.  
SUBTRACTOWN HAD 496.

HOW MANY PIECES OF HAIL DID THEY HAVE ALTOGETHER?

901      911      801      811

**Cool Net Cybercafe**

You write your answer down on the scrap paper and hand it back to the "Alright!" The cashier cheers as they read your answer. "You got it! One y up."

After a few minutes, the cashier calls out your name. You bounce up to You take a sip. It's the yummiest hot chocolate you've ever had!

Now that you have a drink, how else can you blend in? You look around, and it hits you: you need a laptop!

Thankfully, this is a cybercafe. You can use any of the computers at the tables! All you have to do is—you guessed it—solve a math problem.

What are you waiting for? You pull up a chair in the corner of the café and log on.

THERE WERE 904 CLOUDS IN MATHVILLE ON MONDAY. ON TUESDAY, MATHVILLE HAD 419 CLOUDS.  
HOW MANY MORE CLOUDS DID MATHVILLE HAVE ON MONDAY THAN ON TUESDAY?

515      585      415      485

# GET STUDENTS EXCITED ABOUT LEARNING

# WHAT'S IT ABOUT?

- STUDENTS GO ON A QUEST SIMILAR TO CREATING YOUR OWN ADVENTURE DOWN MANY PATHS FINDING CLUES AND ITEMS
- ALONG THE WAY THEY SOLVE MATH PROBLEMS AND A MYSTERY
- WHEN THEY GET THE ANSWER WRONG, ADVICE IS OFFERED TO HELP SOLVE IT CORRECTLY
- EACH READING PIECE IS CAREFULLY CRAFTED TO THE GRADE LEVEL OF THE STANDARD

**Math Quest Directions**

Welcome! We are about to go on a fun trip but watch out for paths that twist and turn along the way.

Here's how it works:

- You won't always complete each slide in order. Nope! Instead, you may come to a place where you have to make a decision.
- When presented with a decision, click on the link for the next part in the fun trip.
- Sometimes you'll have problems to solve and clues continue through the search solving problems, make sure you solve them.
- If you make the wrong choice, don't panic! There will be hints to get you back on track.

Are you ready for this exciting trip? Alright, let's go!

Start

**Let's Do This!**

You turn around and see that the class is still listening to the weatherman. You head down to the first floor of the news station and find a signpost.

You must choose which direction to go in!

The weatherman should be finished by now. You should probably check with him in the weather station and see if he's noticed anything strange if you have not already done so.

Which way are you going to go? Click on the sign.

**At your local weather station...**

You are on a field trip to the local news and weather station. Your class is watching the weatherman talk on live TV. Then he starts talking about the latest Hollywood star!

Your class starts whispering, and the weatherman looks confused. Why is he talking about movie stars? He should be talking about tomorrow's temperatures!

Then the director walks in looking mad. "Oh, not again!" You hear him grumble.

You sit there, stunned. You're just getting more and more confused! What is going on? The director looks over at you and waves for you to come over. He says...

I need your help! A hacker keeps replacing our weather with our Hollywood news. The people are getting angry!

Do you decide to help?  
Click on your decision.

Yes, let's do this!

No, I'm just a kid

**GET HIGH-QUALITY, ENGAGING RESOURCES**

# WHAT'S THE OBJECTIVE?

- TO DETERMINE WHAT STUDENTS KNOW ABOUT THE CONCEPTS RELATED TO ADDING & SUBTRACTING.
- TO BUILD AND PRACTICE READING SKILLS SUCH AS FLUENCY AND COMPREHENSION.
- TO BUILD TECHNOLOGY SKILLS.
- TO CREATE ENGAGEMENT IN THE MATH CLASSROOM.

**Outside**

You use your answer as the code for the padlock on the box. Why are there so many math problems in and around this news station?

The padlock clicks open! You flip open the lid of the box and take a peek inside.

A high-tech set of glasses sits inside the box. They look just like something out of a spy movie! You try them on right away.

The whole world looks red through the tinted lenses. You realize these glasses can zoom in really far!



You pocket the glasses for now and decide to head back to the signpost. It seems like you've found all the clues in this area.

**Weather Station**

You decide to talk to the weatherman. You want to see if he's noticed anything odd lately. You head back up to the weather station. You pass your teacher, who is showing your class different weather tools. One of your friends will have to tell you about it later!

The weatherman is nowhere to be seen. He must be in his office. You walk over to check, but the office door is locked. You need to find a key.

You turn and look around. As you look, you see that one of the computers nearby has a math problem on the screen. Maybe solving the problem would help somehow!

 
$$\begin{array}{r} 659 \\ - 381 \\ \hline ? \end{array}$$
 

378    278    338    238

**SAVE TIME PLANNING WITH DETAILED ACTIVITIES**

# HOW CAN IT BE USED?

## Multiple Uses in the Classroom

- SMALL GROUPS
- MATH CENTERS
- WHOLE CLASS ACTIVITIES
- PARTNER ACTIVITIES
- EARLY FINISHER ACTIVITIES
- AND SO MUCH MORE!

**Weather Station**

You type your answer into the computer. You are expecting the USB drive to pop right out.

The weatherman catches the USB drive right as it pops out of his computer. He holds it up proudly. "You did it!" He cheers. "Nice job, kiddo! We could use a smart brain around the weather station," he adds, winking at you.

He hands you the USB drive. "Go on, then. I'm counting on you to solve this case and save us."

You nod. "Thank you, Mr. Weatherman!" You reply before leaving the office. You head over to the director and hand him the USB drive. You explain that you found it attached to the weatherman's computer and you

Director says, impressed. "You're really getting to the bottom of this! Here, I'll trade you this keychain for the USB drive. I need it for evidence," he adds.

Director trades and tucks the key into your pocket. You should probably head back to the signpost

**Back I go!**

**Cool Net Cybercafe**

You tap your answer onto the laptop, looking around as you do so. It doesn't seem like anyone is paying attention to you. You're doing a great job of blending in!

At least, until the laptop gives you an angry "beep." Looks like that wasn't the right answer.

You quickly look down, ignoring the stares from a few other customers. You'd better try that problem again! You don't want anyone to catch on that you're here to spy.

**HINT:** Make sure that you are doing the right operation. When it says "how many more" it's referring to subtracting. Line up the places and borrow if needed.

**Let's try again!**

**Outside**



You punch your answer into the keypad on the calculator. You holding your breath while you wait for something to happen.

The calculator's screen lights up. A number and two words appear:

"2 STEPS RIGHT."

You take two steps to the right. There doesn't seem to be anything here. You stare closely at the ground and notice that the dirt looks soft and fresh. Has someone been digging here?

You find a pointy rock and start digging into the ground. In a few moments, you find a small box with a lock. A piece of paper with a math problem is attached to the box's lid.

 
$$\begin{array}{r} 475 \\ + 347 \\ \hline ? \end{array}$$
 

**712**   **722**   **812**   **822**

TAKE YOUR WEEKENDS BACK TO DO WHAT YOU LOVE!

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Take **BACK YOUR**  
**WEEKENDS** without  
**SACRIFICING**  
high-quality **RESOURCES!**

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**The Owl Teacher**