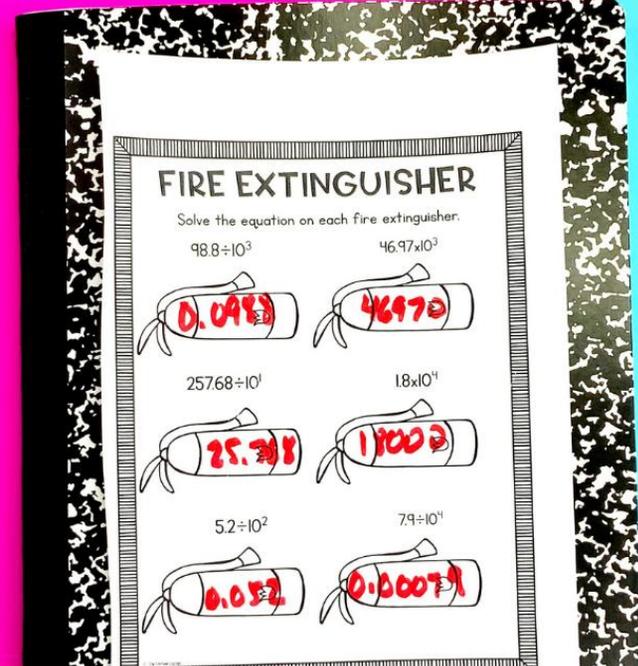


# WHAT IS THIS?

It's a low-prep room transformation!



Use the 10 math challenges, included decor, and more for a fun & easy room transformation!



Simply print the academic challenges, put up a few included decor items, and you're ready for a great day!

Room transformations can be stress-free and low-prep.

Keep scrolling to learn how!



# Let's start with the basics...

## What is a classroom transformation?

A classroom transformation changes your room into a certain setting or theme to engage students in their own learning with rigorous content.



Donut Shop Day



Rock Star Day



Camping Day

You don't have to spend hours of your time setting up a room transformation or spend lots of money to make it **SO MUCH FUN!**

# STEP 1:

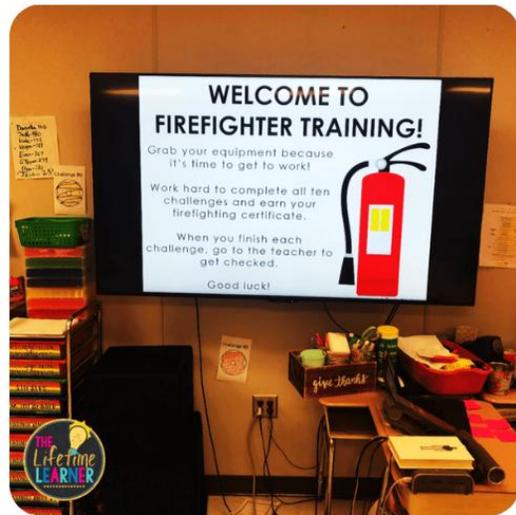
Tell your class they are firefighters today!

They will practice multiplying and dividing by powers of ten in activities set up around the room. You can do this for a day, a few days, or over the course of a week!



Set-up is quick and easy.

Simply print the posters, 10 activities, and a recording sheet for each student. Place them around your room and you're ready to begin!



Flexibility is key.

Need to modify? No problem!  
Choose how many centers students will need to complete and what time frame they have to meet YOUR needs.



# STEP 2:

Let students move around the room and complete each center. They can be completed in any order. All centers include practicing multiplying and dividing by powers of ten.

## Optional Recording Sheet

When a student finishes a center, you sign that spot on their recording sheet to keep track of what they've completed.

## Freedom to choose.

Students can work in partners, rotations, groups, or independently. Your choice!

The image displays two educational activity cards. The first card, titled "FIRE AND RESCUE", has a blue border and contains a grid of 12 items with empty boxes for marking completion. The items are: Fire Extinguisher, Lighter, Smoke Detector, Hose, Smoke, Firetruck, Campfire, Fire Hydrant, Matches, and Fire Dog. The second card, titled "MATCHES", has a pink border and contains a matching exercise. It lists six matchbox quantities on the left and six scientific notations on the right, with lines connecting them. The matchbox quantities are 360,000, 3,600, 36,000, 36, 360, and 3,600,000. The scientific notations are  $3.6 \times 10^4$ ,  $3.6 \times 10^6$ ,  $3.6 \times 10^2$ ,  $3.6 \times 10^3$ ,  $3.6 \times 10^1$ , and  $3.6 \times 10^5$ . The connections are: 360,000 to  $3.6 \times 10^5$ ; 3,600 to  $3.6 \times 10^3$ ; 36,000 to  $3.6 \times 10^4$ ; 36 to  $3.6 \times 10^1$ ; 360 to  $3.6 \times 10^2$ ; and 3,600,000 to  $3.6 \times 10^6$ .

# STEP 3:

When students finish all activities you've assigned, they win! You can give them the included certificate, coloring page, or a small prize of your choice.

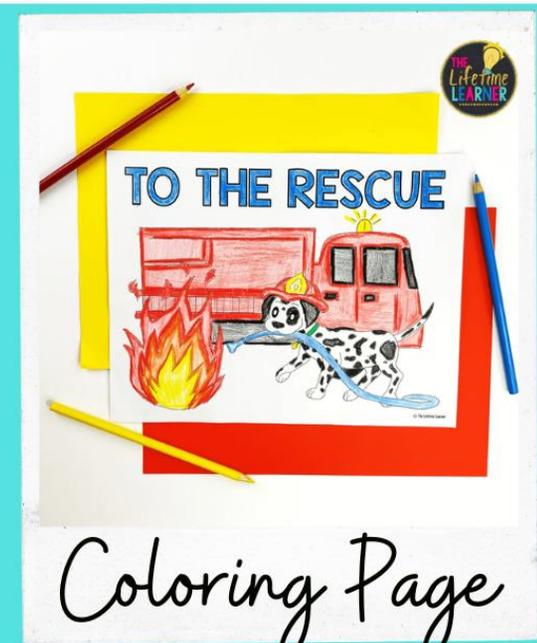
A shopping guide is also included to give you suggestions of optional "extras" you could add in.

## Remember:

Anything different from a "normal" day in the classroom is special to students! A reward at the end isn't required during a classroom transformation.



Certificate



Coloring Page



In Action Pic



Prize

# STEP 4:

Most of the time, there are early finishers. These kiddos get to go around the room and read fun facts about the topic! No one is ever bored.

## Choose from 3 versions!

### Digital Scavenger Hunt

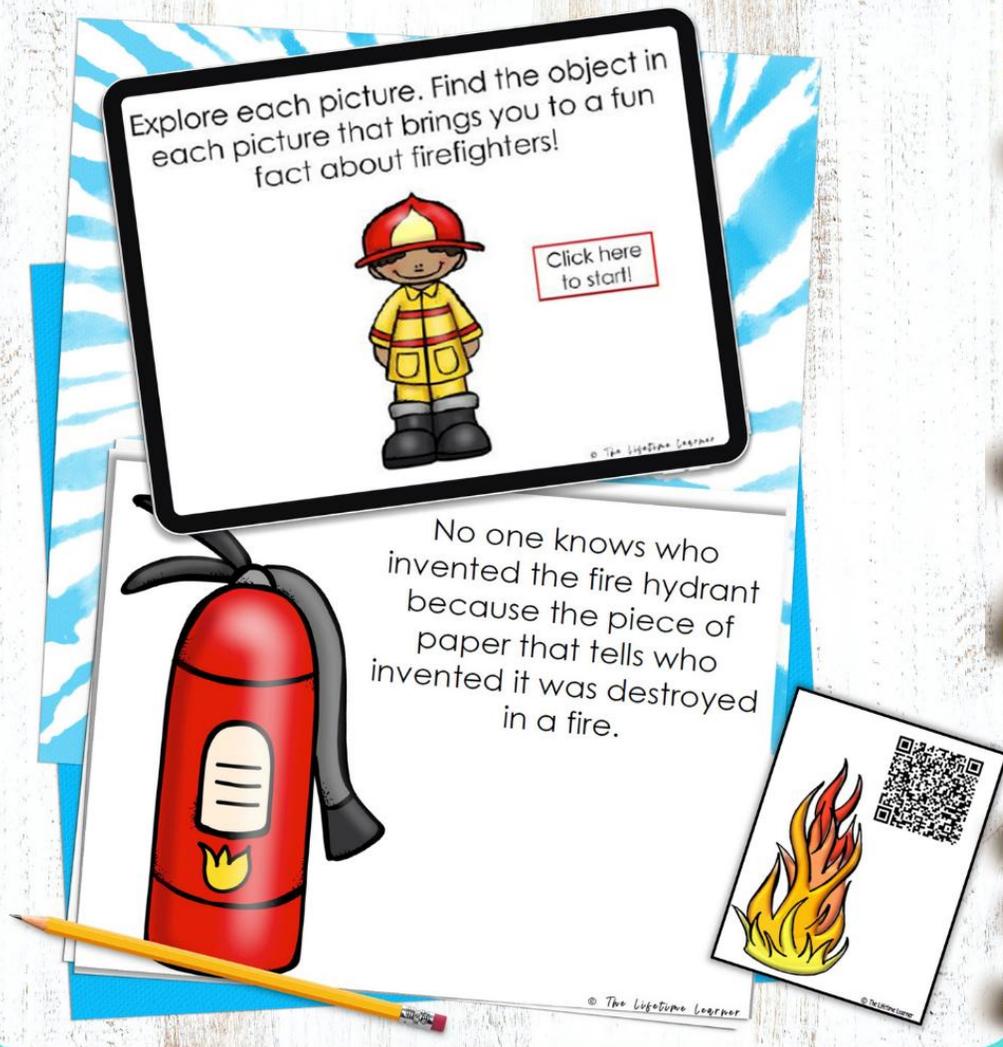
Let students "find" the facts on Google Slides

### Printable Facts

Hang facts around room

### QR Codes

Students scan to read fun facts



1

2

3

# THE CONTENT:

## 10 themed math challenges aligned to math standards

### FIRE TRUCK

Whoops! It looks like the fire trucks blocked some answers when they pulled up. Glue each answer in the correct place.

$$0.75 \div \text{[fire truck]} = 0.0075$$

$$3.24 \times \text{[fire truck]} = 32,400$$

$$122.931 \div \text{[fire truck]} = 0.122931$$

$$260 \times \text{[fire truck]} = 2600$$

$$28.538 \times \text{[fire truck]} = 285.38$$

$10^4$

$10^3$

$10^2$

$10^1$

10

### HOSE

Check the answers in each row. If the answer is right, color the fire blue to put it out. If the answer is wrong, color the fire red.



$62 \times 10^3 = 62,000$

$62 \times 10^2 = 6,200$

$62 \times 10^4 = 6,200,000$



$4,753.25 \div 10^2 = 475.325$

$4,753.25 \div 10^4 = 475.325$

$4,753.25 \div 10^3 = 4.75325$



$4,913 \times 10^4 = 491,300$

$4,913 \times 10^2 = 491,03$

$4,913 \times 10^3 = 4,913$



$24,994 \div 10^2 = 249.94$

$24,994 \div 10^4 = 249.94$

$24,994 \div 10^3 = 24.994$



$54,79 \times 10^3 = 54,79$

$54,79 \times 10^2 = 54,79$

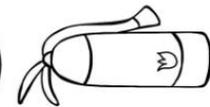
$54,79 \times 10^4 = 54,79$

### FIRE EXTINGUISHER

Solve the equation on each fire extinguisher.

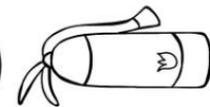
$98.8 \div 10^3$

$46.97 \times 10^3$



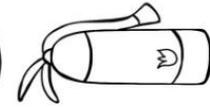
$257.68 \div 10^1$

$1.8 \times 10^4$



$52 \div 10^2$

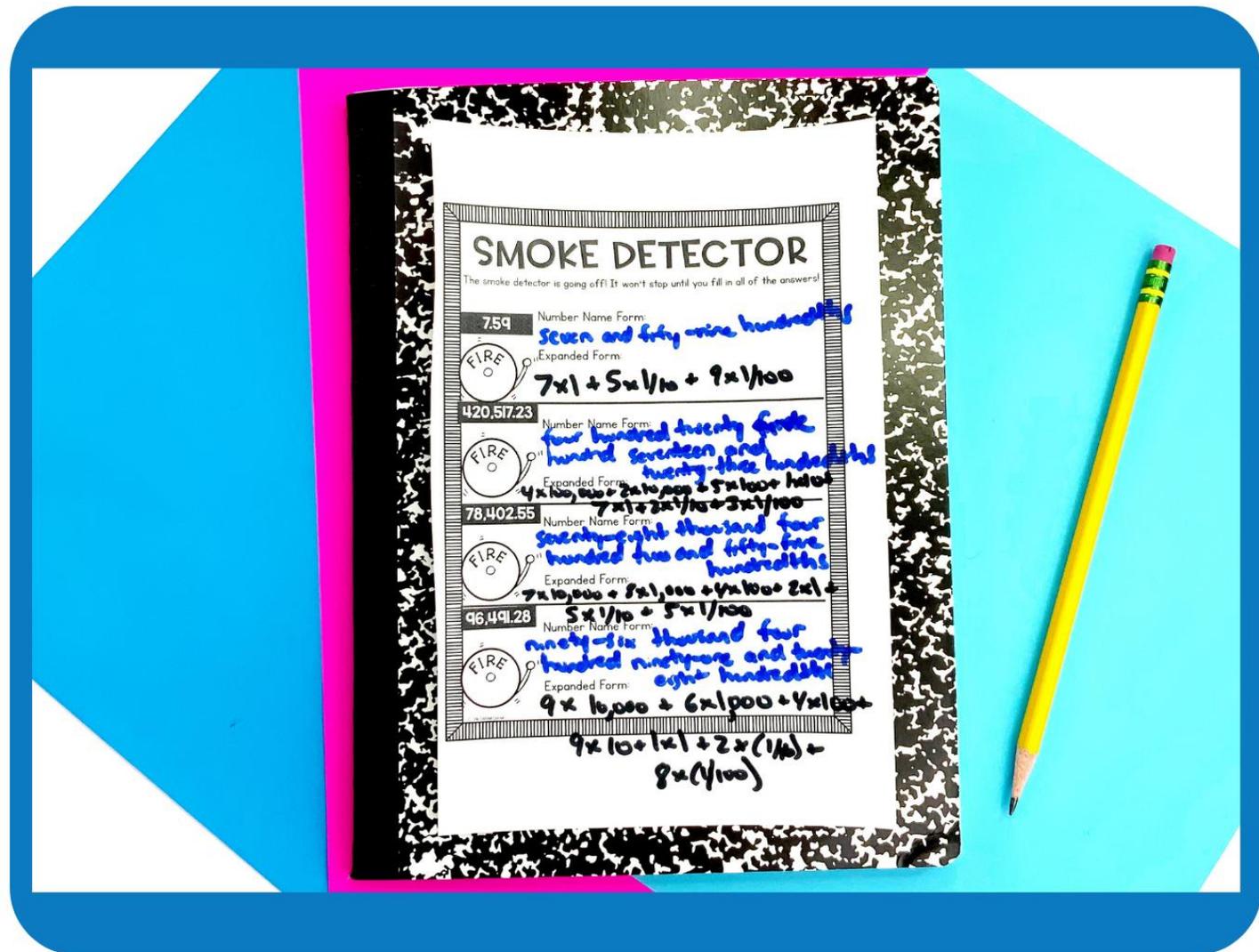
$79 \div 10^4$



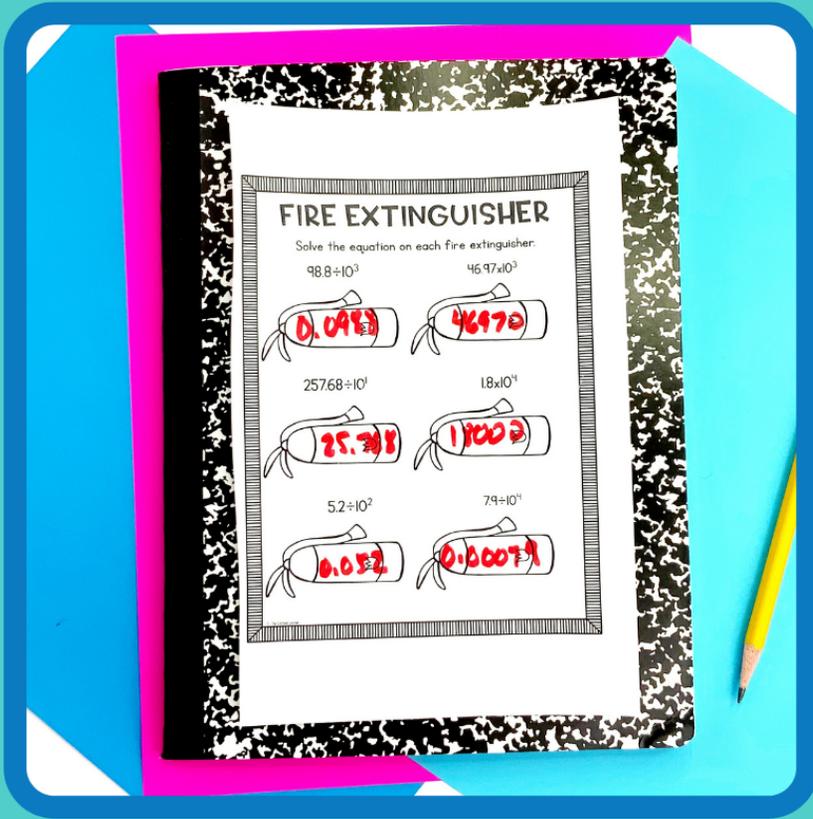
# HOW TO USE THIS:

## Ideas for Implementation:

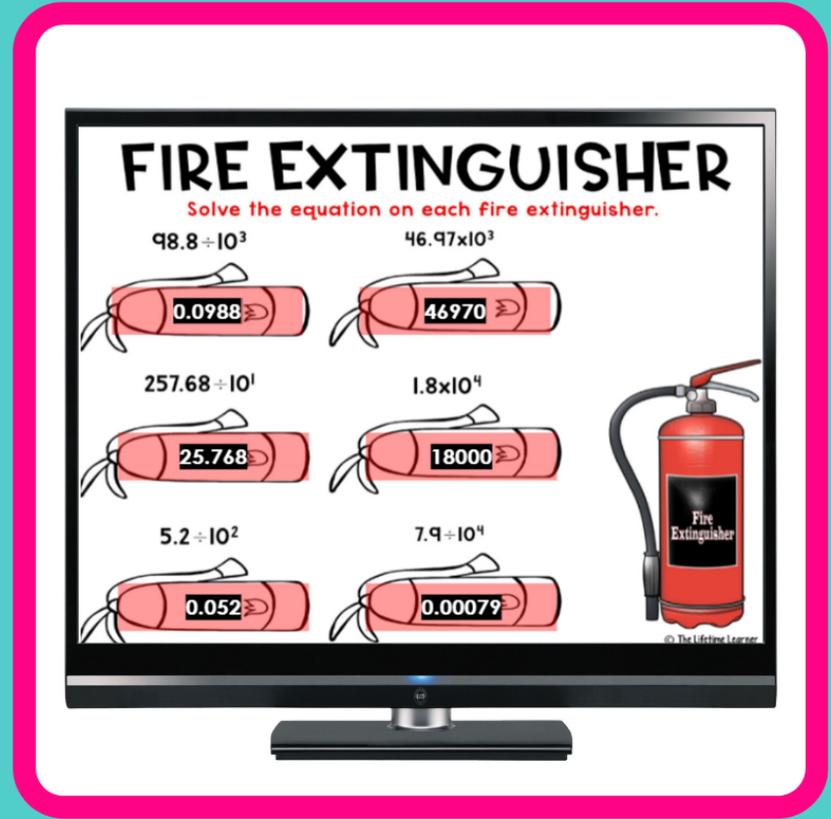
- pick and choose the centers you want to use: do what works best for your class!
- you can have students work individually, in partners, or small groups--any way works!
- give students 1-2 hours to complete all 10 activities
- give less than 10 challenges to students if you are short on time
- OR spread the room transformation out over a couple of days



# PRINT & DIGITAL



Print & Go



Google Slides

Choose the format  
that works best for you!

# Every activity relates to real-life mathematics!

## LIGHTER

As a firefighter, you know the dangers of lighters. Figure shows the value of each missing exponent below. Color each color as the lighter it goes with.



## HOSE

Check the answers in each row. If the answer is right, color the fire blue to put it out. If the answer is wrong, color the fire red.



## CAMPFIRE

end are sitting around the campfire. You have a difference of on what the correct answer is. Who is right and why?

$$91 \times 10^4 =$$

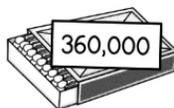
## SMOKE DETECTOR

The smoke detector is going off! It won't stop until you

Number Name Form:

## MATCHES

Match each match box to the equation it goes with.



$$3.6 \times 10^4$$

$$3.6$$

## FIRE DOG

below. Then, describe the pattern you notice with the products.

## FIRE HYDRANT

Uh oh! Some numbers have been blocked by fire hydrants. reappear with your math skills!

$$254.8 \times \text{hydrant} = 254,800$$



$$147.7 \div 10 = \text{hydrant}$$



$$\text{hydrant} \times 10^2 = 408,627$$



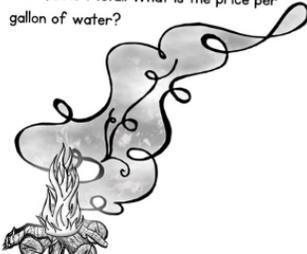
$$\text{hydrant} \div 10 = 529.798$$



## SMOKE

Write your answer next to the smoke.

At the fire, Megan used 1,000 gallons of water to put out the fire. The amount of water that it cost to put out the fire cost \$20.04 total. What is the price per gallon of water?



A firefighter manager is buying 8.82 acres of land to build a firefighter training facility. The cost of the small buildings per acre is \$110. What is the total cost of the buildings will he buy?



## FIRE EXTINGUISHER

the equation on each fire extinguisher.

$$3 \div 10^3$$

$$46.97 \times 10^3$$



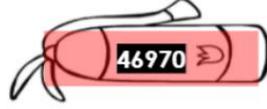
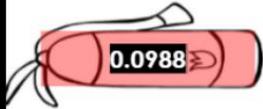
**focuses on:**  
multiplying & dividing  
by powers of ten

# FIRE EXTINGUISHER

Solve the equation on each fire extinguisher.

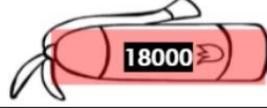
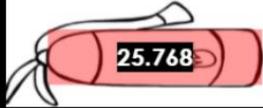
$98.8 \div 10^3$

$46.97 \times 10^3$



$257.68 \div 10^1$

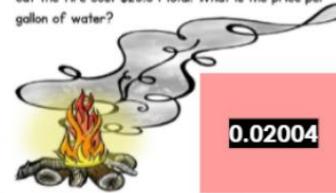
$1.8 \times 10^4$



# SMOKE

Write your answer next to the smoke.

At the fire, Megan used 1,000 gallons of water to put out the fire. The amount of water that it cost to put out the fire cost \$20.04 total. What is the price per gallon of water?



Sharita's water bill this month was \$24.97. Looking at the water bill, it says she used exactly 10,000 gallons of water. How much does she pay per gallon of water used?

A firefighter manager is buying 882 acres of land to build a firefighter training facility. He figures he will build 10 small buildings per acre. How many buildings will he build on his new land?



A round trip from Lakhia's house to the fire station is 8.90 miles. Lakhia works there. She estimates since she moved into her house she has gone 1,000 times. How many miles would

# SMOKE DETECTOR

The smoke detector is going off! It won't stop until you fill in all of the answers!

759

Number Name Form: Seven and fifty-nine hundredths



Expanded Form:  $7 \times 1 + 5 \times 1/10 + 9 \times 1/100$

420,517.23

Number Name Form: Four hundred twenty-thousand five hundred seventeen and twenty-three hundredths



Expanded Form:  $4 \times 100,000 + 2 \times 10,000 + 5 \times 100 + 1 \times 10 + 7 \times 1 + 2 \times 1/10 + 3 \times 1/100$

78,402.55

Number Name Form: Seventy-eight thousand four hundred two and fifty-five hundredths



Expanded Form:  $7 \times 10,000 + 8 \times 1,000 + 4 \times 100 + 2 \times 1$

# CAMPFIRE

You and a friend are sitting around the campfire. You have a difference of opinion on what the correct answer is. Who is right and why?

$10,845.91 \times 10^4 =$

You say the answer is 108459100.

Your friend says the answer is 1084591.

You are correct. Your friend divided.

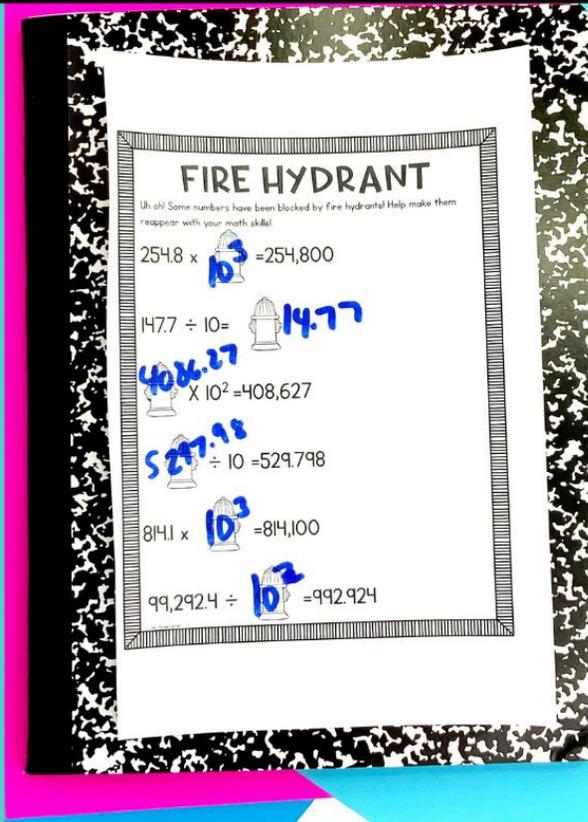
$986.77 \div 10^2$

You say the answer is 98.677.

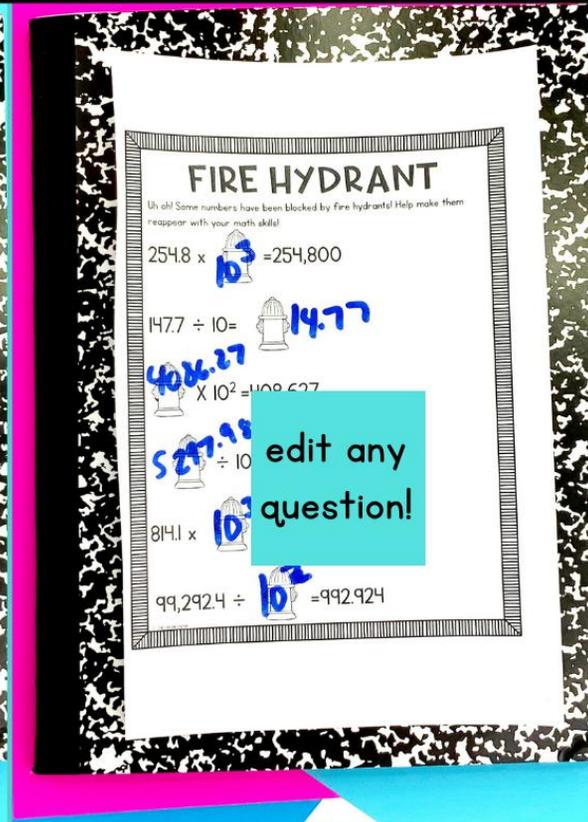
Your friend says the answer is 98677.

# Digital Version: Google Slides

# Questions are 100% editable!



10 Pre-Made  
Challenges:  
Print & Go



10 Pre-Made  
Challenges:  
Editable Version



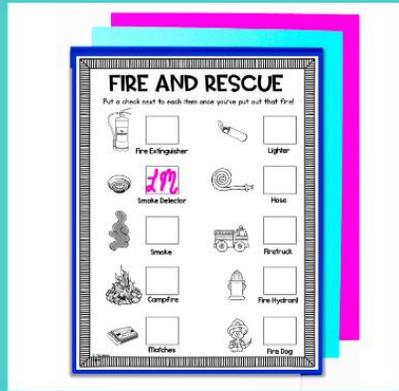
10 Blank Challenges  
To Add Your Own  
Content

# 3 Versions Included

# WHAT'S INCLUDED?



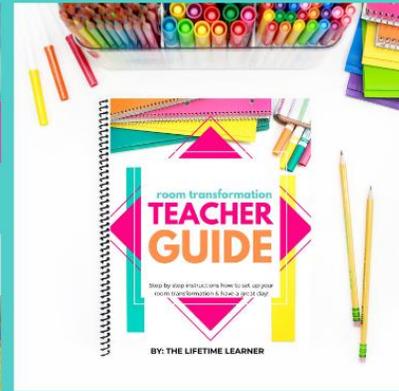
10 Color & B/W Posters



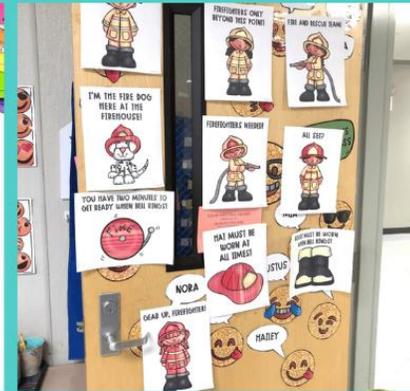
Recording Sheets



Blog Post Ideas



Teacher Guide



Door Decor



Printable Hats



Name Tags



Coloring Page



Folder Insert



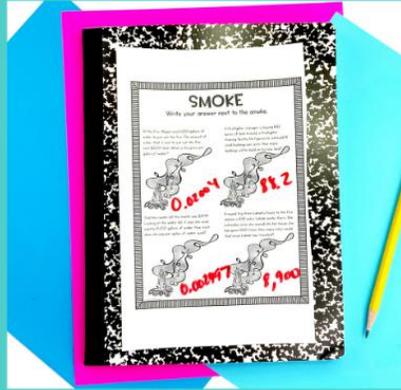
Decor Posters

keep scrolling to see more!

# WHAT'S INCLUDED?



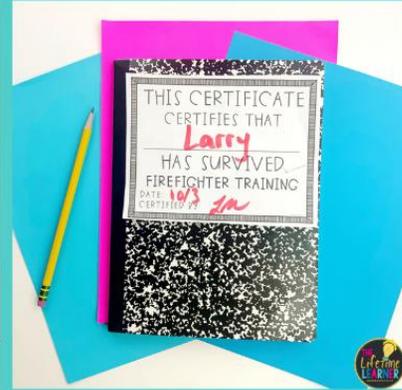
Welcome Slide



Editable Versions



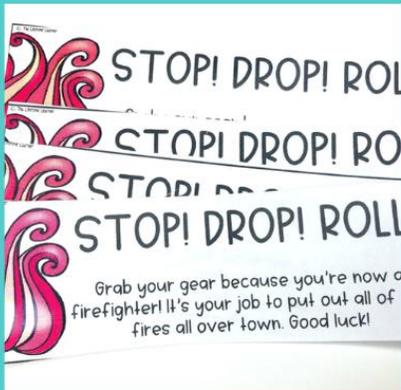
Banner



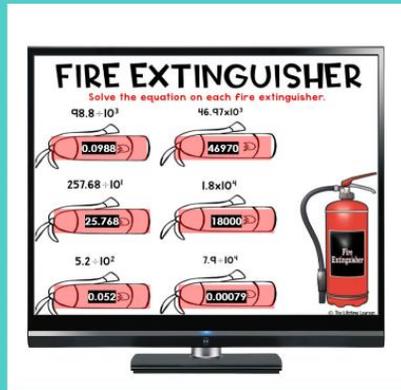
Certificate



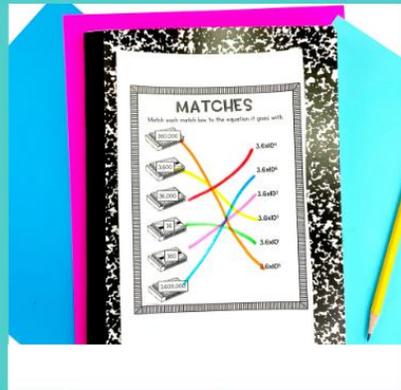
Shopping Guide



Admission Tickets



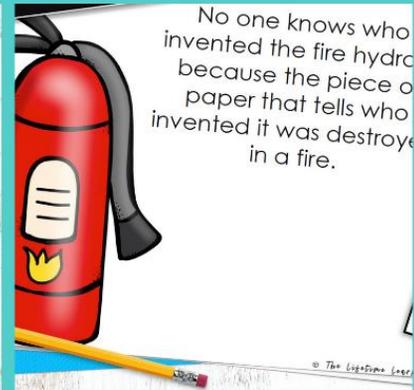
Digital Version



Answer Keys



QR Codes



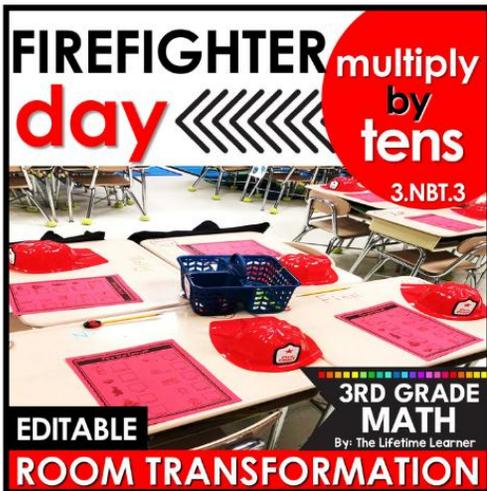
Fun Facts

jam-packed with fun, rigor, and engagement!

# other resources this pairs well with:

Differentiate by grabbing math for multiple grade levels!

Or, add in some reading to your themed learning day!



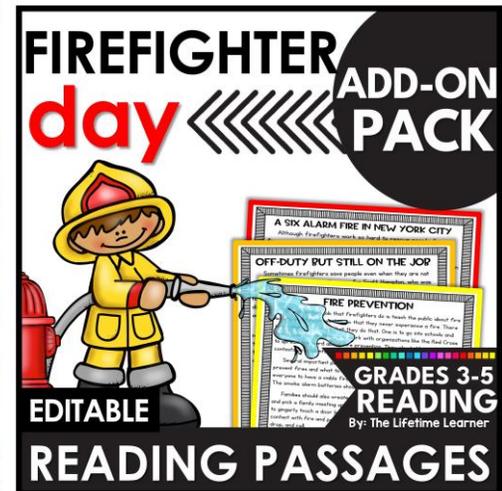
**FIREFIGHTER day** multiply by tens  
3.NBT.3  
EDITABLE  
ROOM TRANSFORMATION  
3RD GRADE MATH  
By: The Lifetime Learner



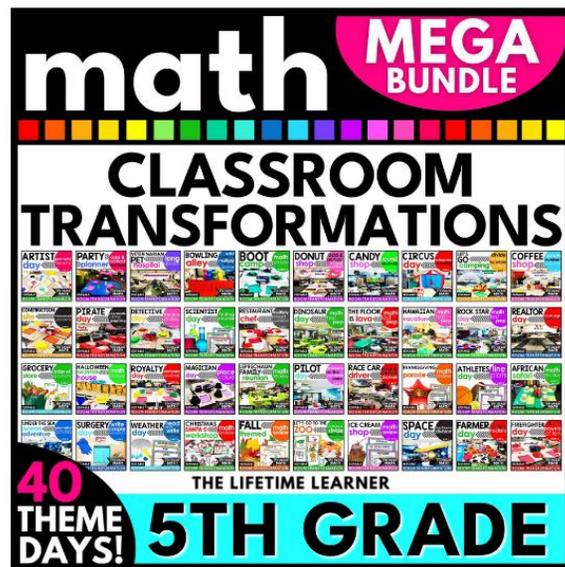
**FIREFIGHTER day** place value  
4.NBT.1  
EDITABLE  
ROOM TRANSFORMATION  
4TH GRADE MATH  
By: The Lifetime Learner



**FIREFIGHTER day** fact & opinion  
EDITABLE  
ROOM TRANSFORMATION  
GRADES 3-5 READING  
By: The Lifetime Learner



**FIREFIGHTER day** ADD-ON PACK  
EDITABLE  
READING PASSAGES  
A SIX ALARM FIRE IN NEW YORK CITY  
OFF-DUTY BUT STILL ON THE JOB  
FIRE PREVENTION  
GRADES 3-5 READING  
By: The Lifetime Learner



**math** MEGA BUNDLE  
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**reading** MEGA BUNDLE  
CLASSROOM TRANSFORMATIONS  
40 THEME DAYS!  
THE LIFETIME LEARNER  
GRADES 3-5

# classroom transformations

## low prep, fun, and engaging!



# K-5 MATH & READING



# THE LIFETIME LEARNER'S CLASSROOM TRANSFORMATIONS ARE:

1. Engaging to Students
2. Classroom Tested (and Student-Approved)
3. Print and Digital Compatible
4. Jam-Packed with Content
5. Aligned to Math Standards
6. Easy to Implement
7. Flexible for Every Classroom
8. Versatile Ways to Reward Students
9. Rigorous Student Learning Activities

**All content is included** so you can simply **print**  
**and get ready** for an **AMAZING** experience  
**with your students!**



# Please Note:

- **There are 10 math challenges provided as well as décor, a fast finisher activity, and additional extras.**
- **The digital version is provided in Google Slides.**
- **Nervous about trying your first room transformation? You'll be hooked once you try one! I promise!**
- **Feel free to contact me if you have questions or want to chat about room transformations. You can email me at [lindsaythelifetimelearner@gmail.com](mailto:lindsaythelifetimelearner@gmail.com)**