WHAT IS THIS?
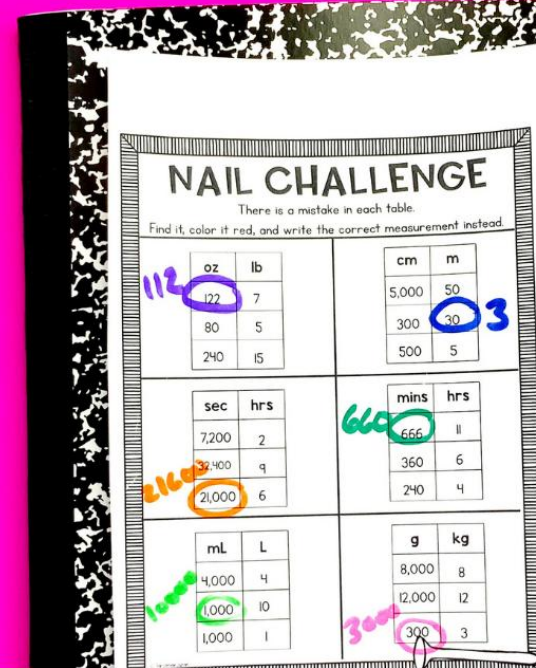
It's a low-prep room transformation!

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

NAIL CHALLENGE
There is a mistake in each table.
Find it, color it red, and write the correct measurement instead.

oz	lb
122	7
80	5
240	15

cm	m
5,000	50
300	30
500	5

sec	hrs
7,200	2
32,400	9
21,000	6

mins	hrs
666	11
360	6
240	4

mL	L
4,000	4
1,000	10
1,000	1

g	kg
8,000	8
12,000	12
300	3

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 construction workers today!

They will practice with measurement conversions in activities set up around the room. You can do this for a day, a few days, or over the course of a week!
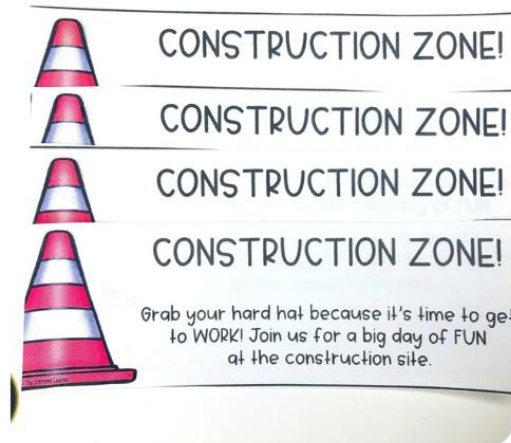

Set-up is quick and easy.

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.
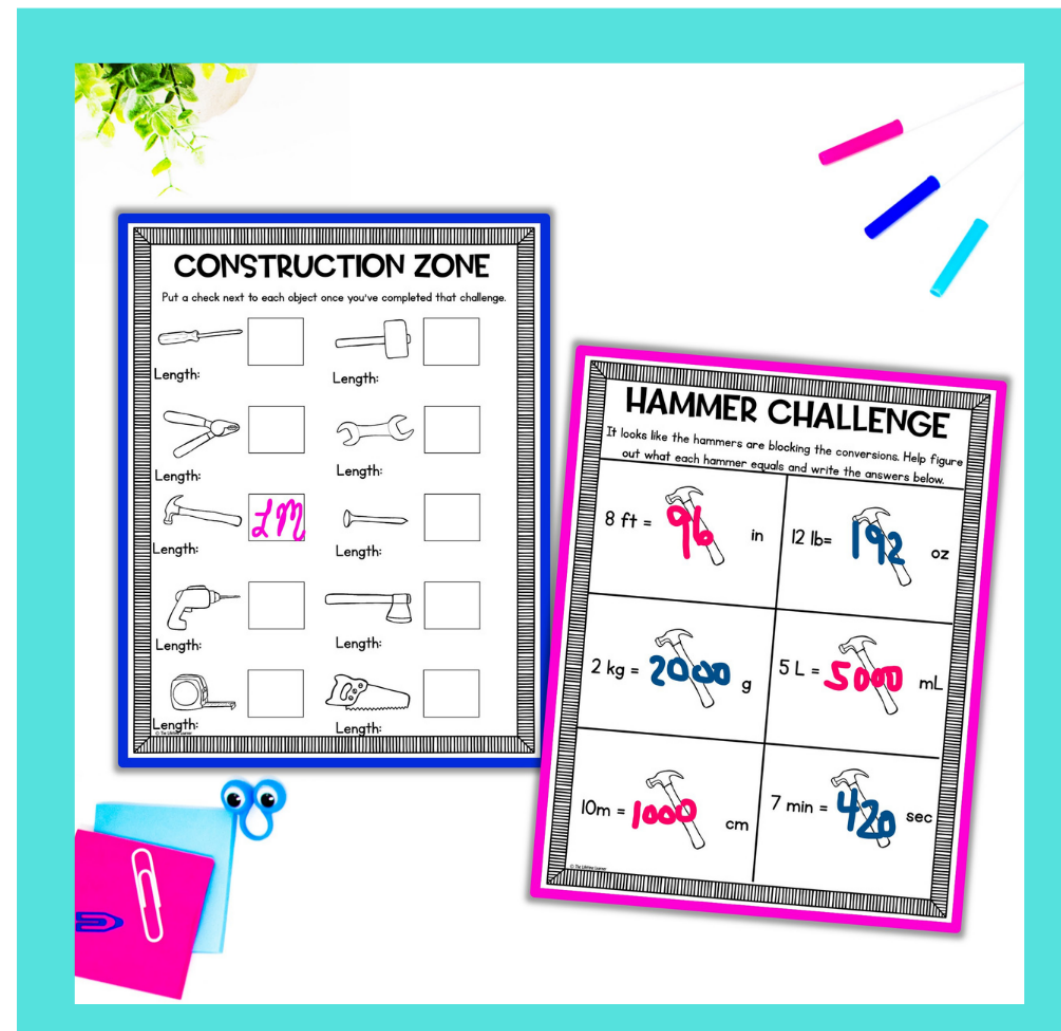
STEP 2:

Let students move around the room and complete each center. They can be completed in any order. All centers include practice with measurement conversions.

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!

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.

Explore each picture. Find the object in each picture that brings you to a fun fact about construction!

Click here to start!

...sed to strike items. It's normally a piece of strong metal attached to a handle. People use it to push down nails and pull up nails when needed.

© The Lifetime Learner

Choose from 3 versions!

1

Digital Scavenger Hunt

Let students "find" the facts on Google Slides

2

Printable Facts

Hang facts around room

3

QR Codes

Students scan to read fun facts

10 themed math challenges aligned to math standards

NAIL CHALLENGE

There is a mistake in each table.
Find it, color it red, and write the correct measurement instead.

oz	lb
122	7
80	5
240	15

cm	m
5,000	50
300	30
500	5

sec	hrs
7,200	2
32,400	9
21,000	6

mins	hrs
666	11
360	6
240	4

mL	L
4,000	4
1,000	10
1,000	1

g	kg
8,000	8
12,000	12
300	3

HAMMER CHALLENGE

It looks like the hammers are blocking the conversions. Help figure
out what each hammer equals and write the answers below.

8 ft =   in   12 lb=   oz

2 kg =   g   5 L =   mL

10m =   cm   7 min =   sec

THE MALLET CHALLENGE

Fill in the tables below. Use them to help you answer each question.

Pounds	Ounces
1	16
2	
3	
4	

Liters	Milliliters
1	1,000
2	
3	
4	

How many pounds are equal to 48 ounces?

How many liters is 4,000 milliliters equal to?

Kilograms	Grams
1	1,000
2	
3	
4	

Minutes	Seconds
1	60
2	
3	
4	

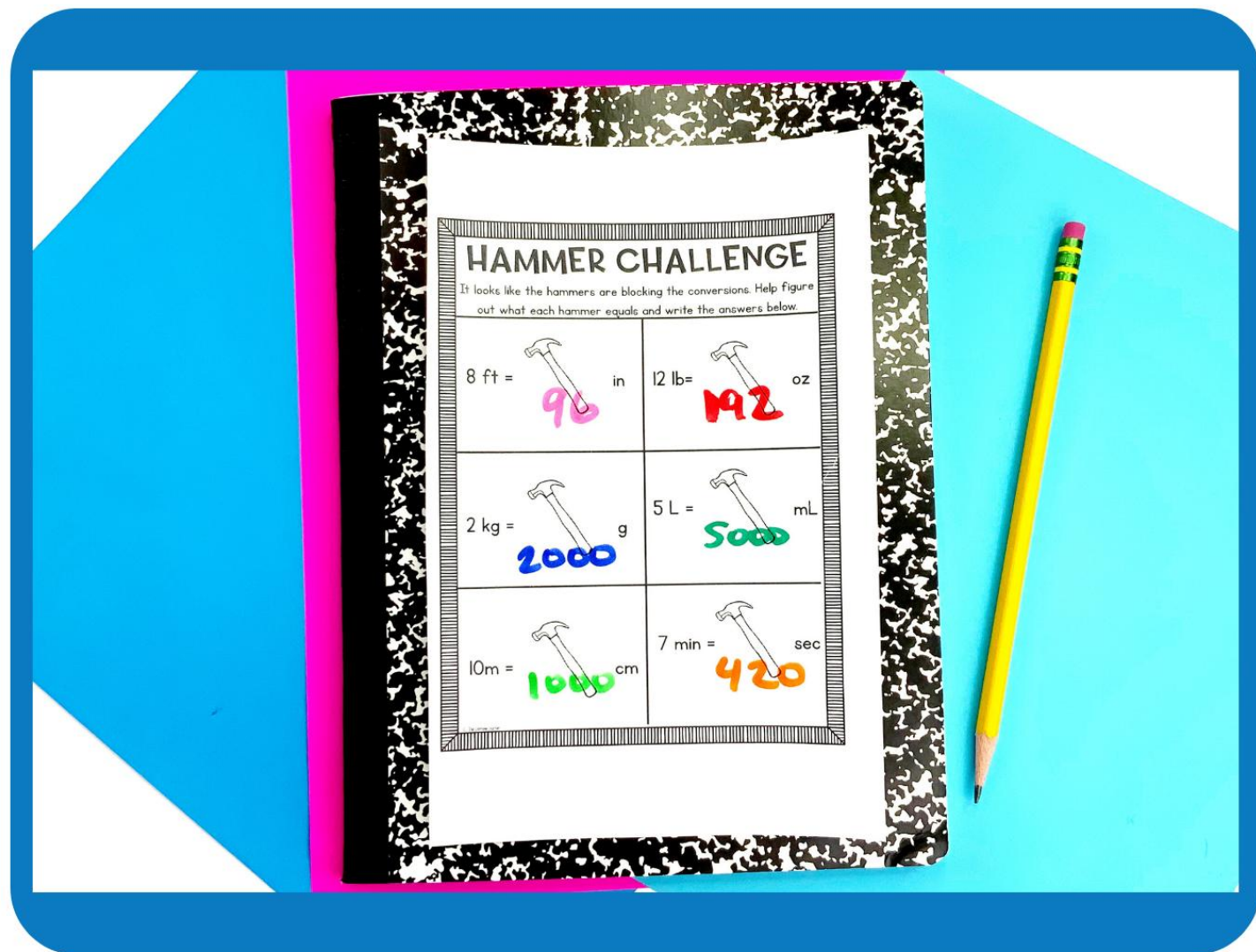How many grams are equal to 2 kilograms?

How many minutes are equivalent to 180 seconds?

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

HAMMER CHALLENGE

It looks like the hammers are blocking the conversions. Help figure out what each hammer equals and write the answers below.

8 ft = **96** in	12 lb= **192** oz
2 kg = **2000** g	5 L = **5000** mL
10m = **1000** cm	7 min = **420** sec

PRINT & DIGITAL

NAIL CHALLENGE
There is a mistake in each table.
Find it, color it red, and write the correct measurement instead.

oz	lb
112 (122)	7
80	5
240	15

cm	m
5,000	50
300	30 (3)
500	5

sec	hrs
7,200	2
32,400	9
21,000 (21,600)	6

mins	hrs
666 (660)	11
360	6
240	4

mL	L
4,000	4
1,000 (10,000)	10
1,000	1

g	kg
8,000	8
12,000	12
300 (3,000)	3

TAPE MEASURE CHALLENGE
There are 495 grams of wood being stored in the lumber yard. There are another 881 grams of lumber in the storage warehouse. How many kilograms of wood are there in all?

495+881=1,376 grams
1,376 grams=1.376 kilograms

You are measuring with a tape measure that is 8 feet 2 inches long. You only use 4 feet 10 inches of the tape measure. How much of the tape measure did you not use?

3 feet 4 inches

© The Lifetime Learner

Print & Go

Google Slides

Choose the format that works best for you!

Every activity relates to real-life mathematics!

DRILL CHALLENGE

Solve each of the following word pro...

You find a drill that is 14.9 centimeters long. How long is it in millimeters?

A construction wor... He sweats th...

SCREWDRIVER CHAL...

Figure out the answer in each ques...

...56 ounces of meat in his ...the ...

Presley uses ... the month of ... 3 l...

AXE CHALLENGE

The logging company cuts down 8 yards of wood ... inches of wood does the company cut down in ...

A construction machine weighs 8,814 pounds. A seco... twice as much. What is the weight of both mac...

A new house you're building weighs 2,4691 grams. How ... would 5 of the houses weigh combined?

WRENCH CHALLENGE

Solve each of the following word problems below.

Joanne has 1000 pints of ice cream in her freezer. Over the course of the year, she eats...

Luis's car uses 8 gallons of gas each day on his way to work. How ... does it use in ...

NAIL CHALLENGE

There is a mistake in each table.
Find it, color it red, and write the correct measurement instead.

oz	lb
122	7

cm	m
5,000	5...
300	3...
500	

THE MALLET CHALLENGE

Fill in the tables below. Use them to help you answer each question.

Pounds	Ounces
1	16
2	
3	
4	

Liters	Milliliters
1	1,000

How many pounds are equal to 48 ounces?

...LIERS CHALLENGE

...your pliers to take some wire off of a large water ...is 3 liters of water inside. You cut the wire too ...scratches the water barrel. 450 milliliters of water

...W CHALLENGE

...n the work site has 50 pounds of sawdust in a wheelbarrow that he ...the trash heap. You sneeze while moving it and 12 ounces of ...round. How much sawdust is still in the wheelbarrow you are ...

HAMMER CHALLENGE

...e hammers are blocking the conversions. Help figure ...each hammer equals and write the answers below.

in | 12 lb= | oz

focuses on:
measurement conversions

TAPE MEASURE CHALLENGE

There are 495 grams of wood being stored in the lumber yard. There are another 881 grams of lumber in the storage warehouse. How many kilograms of wood are there in all?

495+881=1,376 grams
1,376 grams=1.376 kilograms

You are measuring with a tape measure that is 8 feet 2 inches long. You only use 4 feet 10 inches of the tape measure. How much of the tape measure did you not use?

HAMMER CHALLENGE

It looks like the hammers are blocking the conversions. Help figure out what each hammer equals. Type the answer on top of each hammer.

8 ft =	96 inches	in	12 lb=	192 ounces	oz
2 kg =	2,000 g	g	5 L =	5,000 mL	mL

SAW CHALLENGE

The lead carpenter on the work site has 50 pounds of sawdust in a wheelbarrow that he needs you to dump in the trash heap. You sneeze while moving it and 12 ounces of sawdust falls on the ground. How much sawdust is still in the wheelbarrow you are moving in pounds?

49 pounds 4 ounces

You walk a little down the lot with the wheelbarrow. You sneeze and another 8 ounces of sawdust falls out of the wheelbarrow. How much sawdust remains in the wheelbarrow in pounds?

48 pounds 12 ounces

Wow! Your allergies are really acting up today. You sneeze and another 12 ounces of sawdust falls on the

WRENCH CHALLENGE

Solve each of the following word problems below.

Joanne has 1000 pints of ice cream in her freezer. Over the course of the year, she eats 588 of them. How much ice cream remains in her freezer in quarts?

1000-588=412 pints
206 quarts

Luis's car uses 8 gallons of gas each day on his way to work. How much gas does it use in 12 days in pints?

8x12=96 gallons
96 gallons=768 pints

Zoe is trying to drink 7 gallons of water each week. For 3 weeks, she is successful. The next 3 weeks, she only drinks 4 gallons of water each day. How much water did she drink total so far in cups?
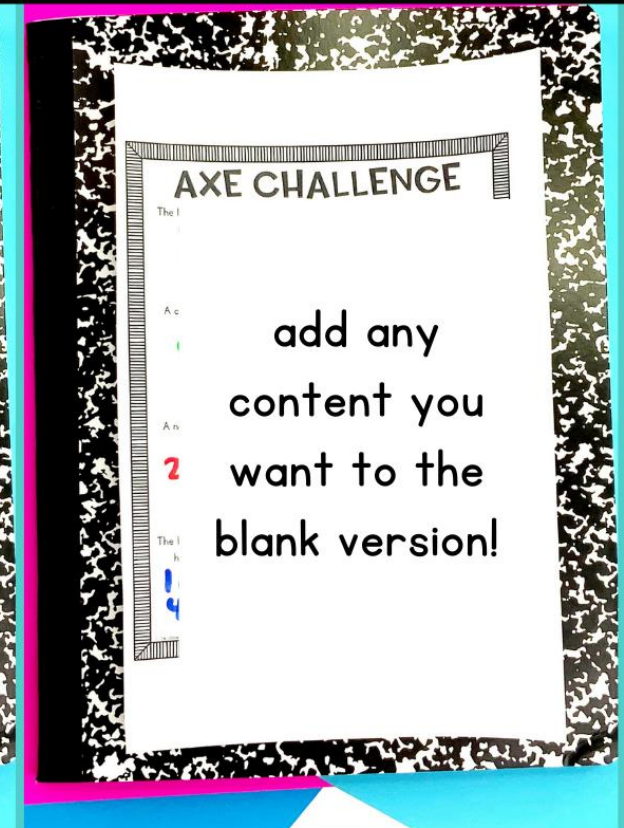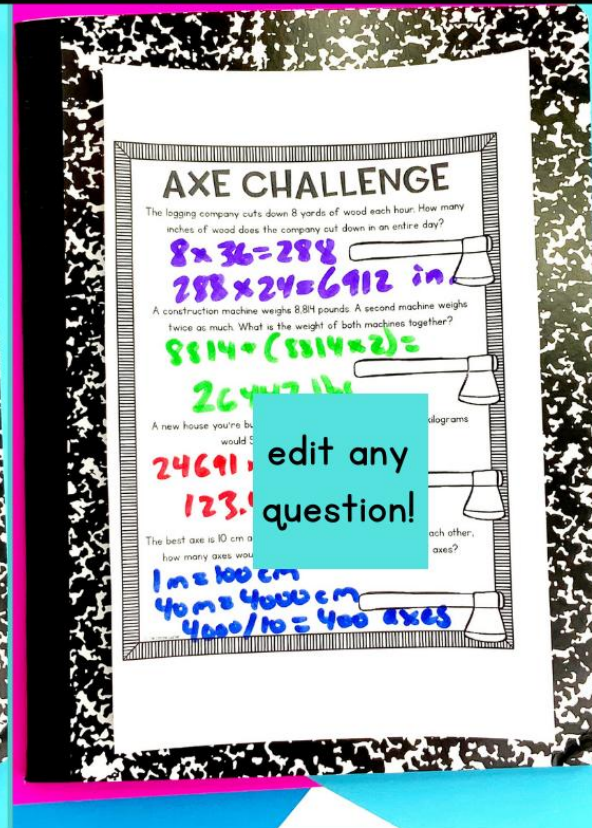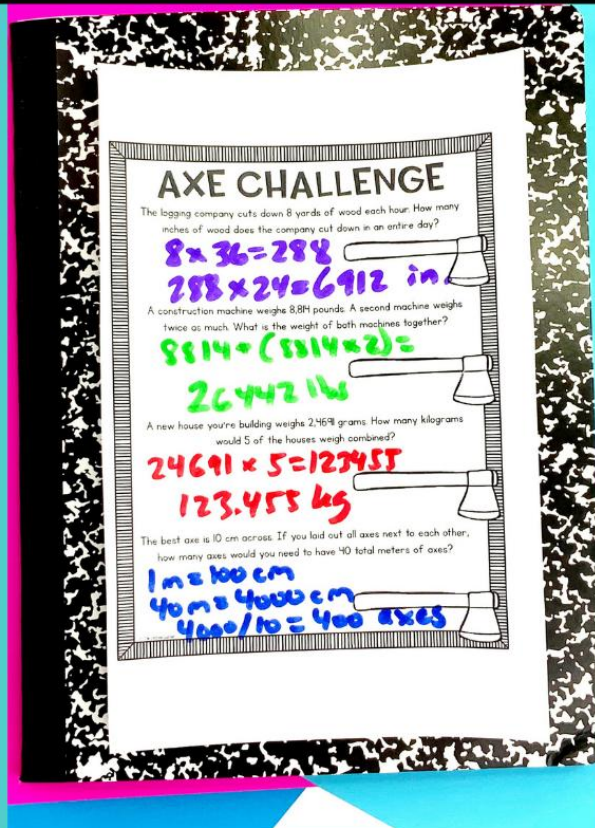
7x3=21 gallons, 3x4=12 gallons
21+12=33 gallons
33 gallons=528 cups

Jessica, Linda, Mark, and Meagan each have 4 pints of milk. How much milk do they have altogether in gallons?

4x4=16 pints
16 pints=2 gallons

Digital Version: Google Slides

Questions are 100% editable!

AXE CHALLENGE
The logging company cuts down 8 yards of wood each hour. How many inches of wood does the company cut down in an entire day?

$8 \times 36 = 288$
$288 \times 24 = 6912$ in

A construction machine weighs 8,814 pounds. A second machine weighs twice as much. What is the weight of both machines together?

$8814 + (8814 \times 2) =$
26442 lbs

A new house you're building weighs 24,691 grams. How many kilograms would 5 of the houses weigh combined?

$24691 \times 5 = 123455$
123.455 kg

The best axe is 10 cm across. If you laid out all axes next to each other, how many axes would you need to have 40 total meters of axes?

$1 m = 100 cm$
$40 m = 4000 cm$
$4000 / 10 = 400$ axes

edit any question!

add any content you want to the blank version!

10 Pre-Made Challenges: Print & Go

10 Pre-Made Challenges: Editable Version

10 Blank Challenges To Add Your Own Content

3 Versions Included
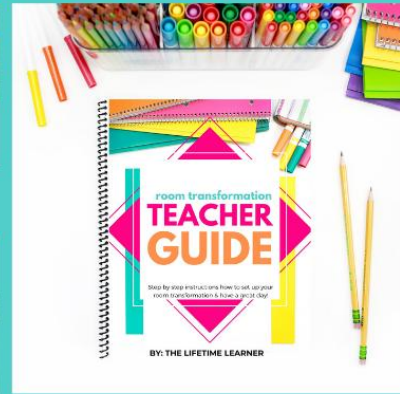
WHAT'S INCLUDED?

10 Color & B/W Posters

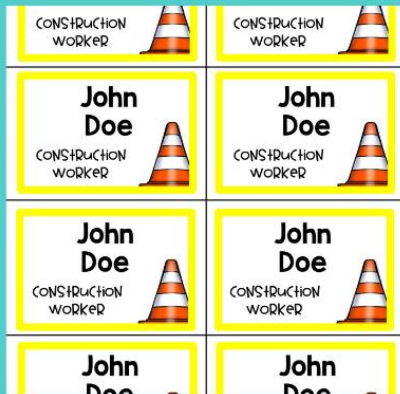Recording Sheets

Blog Post Ideas

Teacher Guide

Door Decor

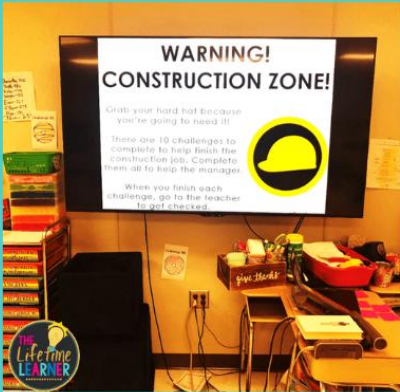Printable Hats

Name Tags

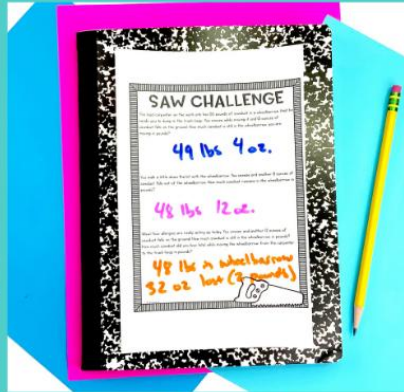Coloring Page

Folder Insert

Decor Posters
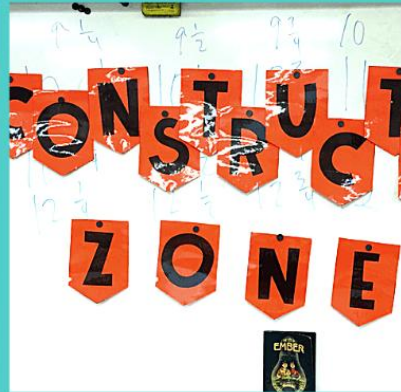
keep scrolling to see more!

WHAT'S INCLUDED?

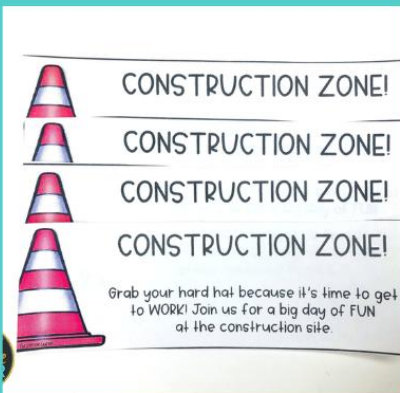Welcome Slide

Editable Versions

Banner

Certificate

Shopping Guide
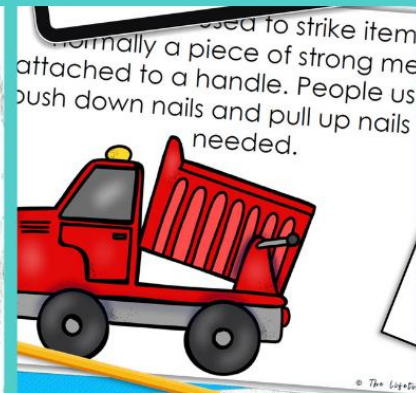

Admission Tickets

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!

CONSTRUCTION site measure with rulers — 3.MD.4 — EDITABLE — 3RD GRADE MATH — ROOM TRANSFORMATION

CONSTRUCTION site measurement WORD PROBLEMS — 4.MD.2 — EDITABLE — 4TH GRADE MATH — ROOM TRANSFORMATION

CONSTRUCTION site nonfiction context clues — EDITABLE — GRADES 3-5 READING — By: The Lifetime Learner — ROOM TRANSFORMATION

CONSTRUCTION site ADD-ON PACK — EDITABLE — GRADES 3-5 READING — By: The Lifetime Learner — READING PASSAGES

math MEGA BUNDLE — CLASSROOM TRANSFORMATIONS — 40 THEME DAYS! — THE LIFETIME LEARNER — 5TH GRADE

When you purchase a **Mega Bundle,** you save 50% off the price of the individual resources!

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

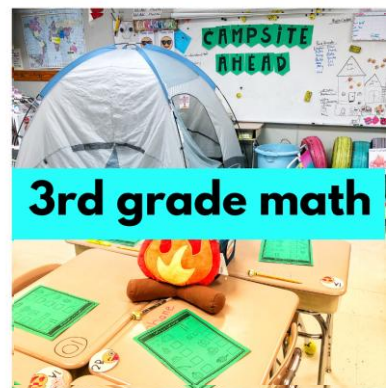# classroom transformations
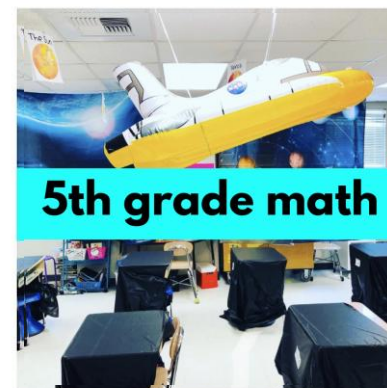## low prep, fun, and engaging!

1st grade math

2nd grade math

3rd grade math

4th grade math

5th grade math

kindergarten math

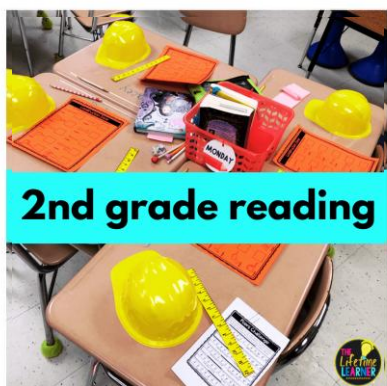# K-5 MATH & READING

kindergarten reading

1st grade reading

2nd grade reading

GR 3-5 reading comprehension

3-5 reading add -on packs

alphabet letters

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