

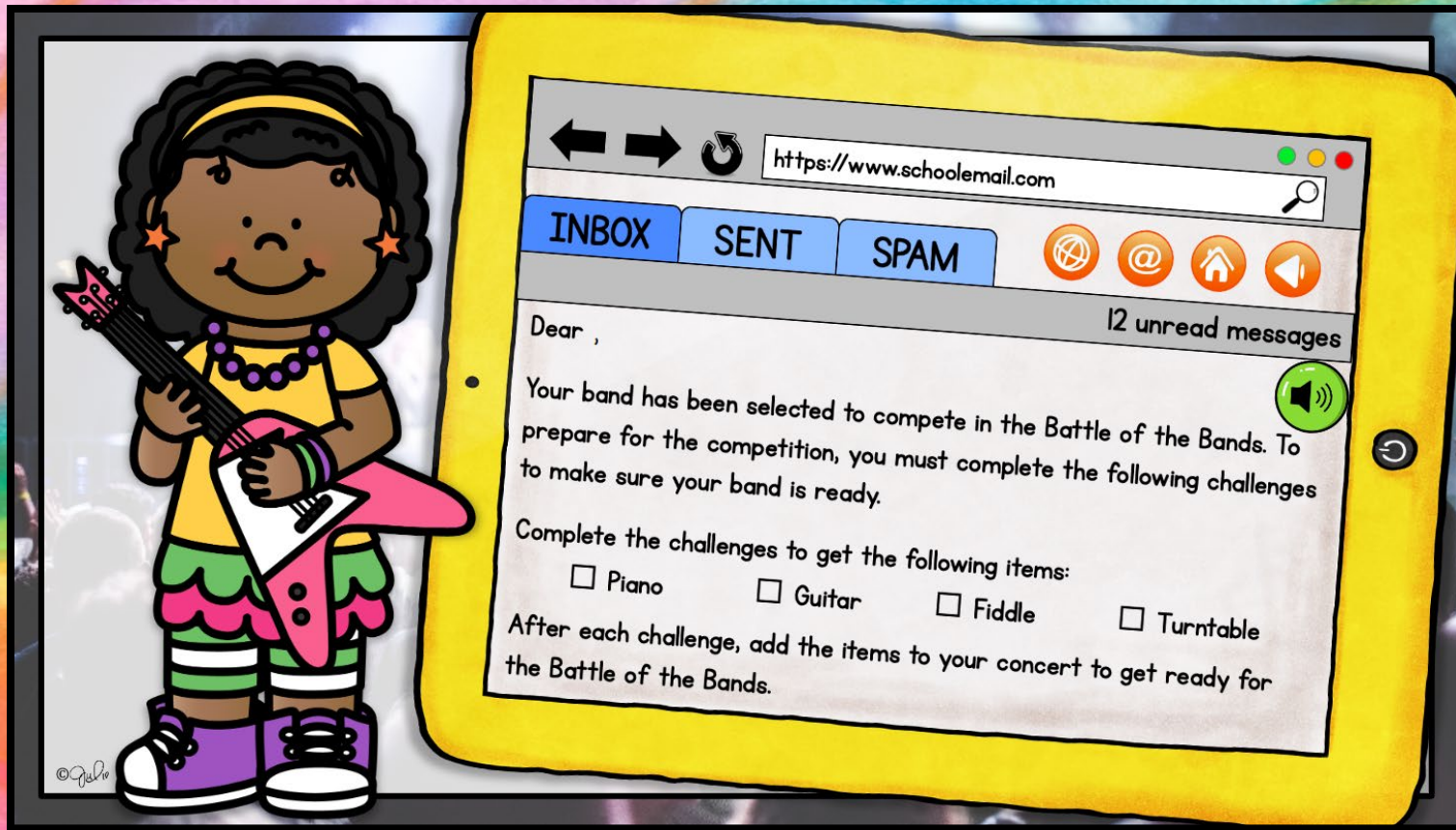
4th Grade

# ADD & SUBTRACT STANDARD ALGORITHM



## MUSIC ESCAPE ROOM

PRINTABLE • GOOGLE • WEBSCAPE™



# Compete in the Battle of the Bands!

Students won't realize they are practicing Adding & Subtracting using Standard Algorithm skills! They will be immersed in the storytelling and our original videos as they complete math challenges.

Learn more!



# 4 Mathematics Challenges

- Challenges focused on Adding & Subtracting using Standard Algorithm
- Each challenge takes about 20-30 minutes

Learn more!



## Challenge #1

1. Solve each "add or subtract" problem.
2. Record answers on your brochure.
3. Check your answers in the Music Decoder.
4. Add the piano to your concert.
5. Scan the QR code in the corner of this page.
6. Move on to challenge #2.



Scan the QR code or click [here](#) to view the video.



- |    |                                                           |    |                                                               |
|----|-----------------------------------------------------------|----|---------------------------------------------------------------|
| 1. | $\begin{array}{r} 3,497 \\ + 5,486 \\ \hline \end{array}$ | 3. | $\begin{array}{r} 506,488 \\ + 228,973 \\ \hline \end{array}$ |
| a. | 8,973                                                     | a. | 735,461                                                       |
| b. | 8,983                                                     | b. | 735,361                                                       |
| c. | 8,873                                                     | c. | 735,451                                                       |
| d. | 8,883                                                     | d. | 735,461                                                       |
- 
- |    |                                                             |    |                                                              |
|----|-------------------------------------------------------------|----|--------------------------------------------------------------|
| 2. | $\begin{array}{r} 43,829 \\ + 81,567 \\ \hline \end{array}$ | 4. | $\begin{array}{r} 876,051 \\ - 96,423 \\ \hline \end{array}$ |
| a. | 125,386                                                     | a. | 779,538                                                      |
| b. | 124,396                                                     | b. | 780,628                                                      |
| c. | 125,396                                                     | c. | 779,638                                                      |
| d. |                                                             | d. | 779,628                                                      |

## Challenge #2

1. Find the addition or subtraction error.
2. Record answers on your brochure.
3. Check your answers in the Music Decoder.
4. Add the guitar to your concert.
5. Scan the QR code on the next page.
6. Move on to challenge #3.



1. Your band practiced for 93 minutes on Monday, 107 minutes on Wednesday, and 129 minutes on Friday. You added the times but made one mistake. What did you do wrong?

$$\begin{array}{r} 93 \\ 107 \\ + 129 \\ \hline 328 \end{array}$$

- a. You added the tens incorrectly.
- b. You forgot the regroup column.
- c. You added the ones incorrectly.
- d. You added an extra hundred.

## Challenge #2

4. The main singer in your band subtracted the number of minutes she missed practicing last week. She made one mistake. What did she do wrong?

$$\begin{array}{r} 381 \text{ Hours the band practiced} \\ - 92 \text{ Minutes the singer missed} \\ \hline 211 \text{ Minutes the singer practiced} \end{array}$$

- a. She should have subtracted 0 from 300.
- b. She added the ones instead of subtracting.
- c. She subtracted 81 from 92 instead of subtracting 92 from 81.
- d. She did not align the ones, tens and hundreds correctly.

5. You have \$176.85 to spend on a new guitar. The one you like costs \$257.34. You calculated to see how much more money you need to buy the guitar. You made one mistake. What did you do wrong?

$$\begin{array}{r} \$257.34 \text{ Cost of new guitar} \\ - 176.85 \text{ Amount of money you have} \\ \hline \$ 8149 \text{ Money you still need} \end{array}$$

- a. You subtracted \$100.00 from \$200.00 incorrectly.
- b. You added the 4 cents and 5 cents instead of subtracting.
- c. You wrote down the numbers incorrectly.
- d. You subtracted \$6.00 from \$7.00 instead of \$6.00 from \$6.00.

$$\begin{array}{r} 2,010 \text{ Total number of practice minutes} \\ - 328 \text{ Minutes your band practiced} \\ \hline 1688 \text{ Minutes the other bands practiced} \end{array}$$

- a. You regrouped the tens incorrectly.
- b. You subtracted the ones in the wrong direction.
- c. You subtracted 0 from 2000.
- d. You added the hundreds column instead of subtracting.

Scan the QR code or click [here](#) to view the video.



# 4 Mathematics Challenges

## Challenge #3

1. Solve each word problem.
2. Record answers on your brochure.
3. Check your answers in the Music Decoder.
4. Add the fiddle to your concert.
5. Scan the QR code in the corner of the next page.
6. Move on to challenge #4.



1. The bass player in your band has a new instrument. He practiced by himself at home for four weeks before joining the band to practice as a group. How many hours did he practice alone?
2. Your band wanted to practice for a total of 375 minutes the week before the competition. Use the information in the table to determine the number of minutes the band will practice on the last day of the week.
3. Your band manager printed the *Battle of the Bands*. He counted the tickets in his office. He counted 1,932. How many tickets did the band manager misplace?

	Week 1	Week 2	Week 3	Week 4
Hours practiced	20	37	18	35

	Day 1	Day 2	Day 3	Day 4	Day 5
Minutes practiced	84	76	63	57	

- a. 2,626
- b. 2,636
- c. 2,536
- d. 2,526

4. There are ten bands competing in the *Battle of the Bands*. The first five bands will play during the day. They have a total of 600 minutes to play. Use the information in the table to determine how many minutes Band 4 and Band 5 might have played during the day.
5. Each band was asked to sell 400 tickets for the competition. Use the information in the table to determine the total number of tickets sold by the ten bands.
6. The organizers of the competition are collecting data on the people attending the concert. Use the information in the table to determine the total number of people attending the concert.

	Band 1	Band 2	Band 3	Band 4	Band 5
Minutes played	127	56	18	?	?

- a. 145 and 116
- b. 131 and 114
- c. 122 and 128
- d. 136 and 124

	Band 1	Band 2	Band 3	Band 4	Band 5	Band 6	Band 7	Band 8	Band 9	Band 10
Tickets sold	127	286	58	362	299	212	383	175	224	91

- a. 2,491
- b. 2,581
- c. 2,851
- d. 2,541

	Adults Daytime Competition	Students Daytime Competition	Adults Evening Competition	Students Evening Competition
People attending	938	1,276	1,309	854

- a. 4,387
- b. 4,287
- c. 4,377
- d. 4,277

Scan the QR code or click [here](#) to view the video.



## Challenge #4

1. Solve each word problem.
2. Record answers on your brochure.
3. Check your answers in the Music Decoder.
4. Add the turntable to your concert.
5. Scan the QR code in the corner of the next page.
6. Get ready to win the battle of the bands!



1. The *Battle of the Bands* will be held in the convention center in the city of Springfield. Springfield has a population of 84,068 residents. There are 46,904 students living in Springfield. How many residents are not students?
2. There are ten elementary schools in Springfield. The total number of students attending elementary schools is 12,004. Use the information in the table to determine how many students attend school number 10.
3. Of the 4,377 people who purchased tickets to the *Battle of the Bands*, 1,813 are students from Springfield. There are 1,714 adults from Springfield who purchased tickets. How many tickets were sold to people who do not live in Springfield?

- a. 37,254
- b. 37,264
- c. 37,154
- d. 37,164

	School 1	School 2	School 3	School 4	School 5	School 6	School 7	School 8	School 9	School 10
Enrollment	1,206	1,433	675	991	706	2,042	884	1,185	367	?

- a. 391
- b. 401
- c. 411

- a. 825
- b. 925
- c. 815
- d. 915



- Themed videos integrated throughout the Escape Room to keep kids engaged.
- Students work in groups, partners, or independently.

Learn more!



## Challenge #1

1. Solve each "add or subtract" problem.
2. Record answers on your brochure.
3. Check your answers in the Music Decoder.
4. Add the piano to your concert.
5. Scan the QR code in the corner of this page.
6. Move on to challenge #2.

$$\begin{array}{r} 3,497 \\ + 5,486 \\ \hline \end{array}$$

- a. 8,973  
b. 8,983  
c. 8,873  
d. 8,883

$$\begin{array}{r} 43,829 \\ + 81,567 \\ \hline \end{array}$$

- a. 125,386  
b. 124,396  
c. 125,396  
d. 124,386



Find the sum.

$$\begin{array}{r} 3,497 \\ + 5,486 \\ \hline \end{array}$$

- a. 8,973  
b. 8,983

$$\begin{array}{r} 506,488 \\ + 228,973 \\ \hline \end{array}$$

- a. 735,461  
b. 735,361  
c. 735,451  
d. 735,461

876,0



Find the sum.

$$\begin{array}{r} 3,497 \\ + 5,486 \\ \hline \end{array}$$

8,973

8,983

8,873

8,883

© Julie Parker




© Julie Parker

## 3 Versions

- Print
- Google Slides
- Webscape™ (Our most popular experience)

Learn more!



	<b>PDF</b> 	<b>Google Slides</b> 	<b>Webscape™</b> 
<b>Format Type</b>	Printable	Digital	Digital
<b>Device</b>	N/A	Any Device	Any Device
<b>Required Prep</b>	Print & Go	Copy & Share	Zero Prep
<b>Student Answers</b>	Printable Answer Pamphlet	Google Sheets Decoder Tool	Integrated Challenge Hub
<b>Self Correcting</b>	Includes Answer Key	Self Correcting	Self Correcting
<b>Custom Videos</b>	QR Codes	Embedded You Tube	Embedded
<b>Audio Readings</b>	N/A	No Audio Readings	Contains Audio Readings
<b>Navigation</b>	N/A	Student Directed	Automatically Advancing
<b>Extras</b>	Early Finish Challenges	Movable Pieces	Interactive Animation

## 3 Versions

- Print
- Google Slides
- Webscape™ (Our most popular experience)

*Learn more!*



# Print

- Cut and paste stamps for each challenge
- Easy to follow
- Optimal for group or partner work
- Recording brochure for answers
- Self-checking decoder
- Certificate of completion

Learn more!



## Concert Page



At the end of each challenge, Cut out each sticker and paste it on the concert to get ready for battle of the bands!

## Music Decoder

Use the following codes for each challenge to solve the clues and move to the next challenge.

- Challenge 1
- question 1 a = Timothy's  
b = Erin's  
c = My  
d = I
- question 2 a = mom  
b = friend  
c = grandma  
d = saved
- question 3 a = wasn't  
b = found one  
c = saw one  
d = money by
- question 4 a = using here  
b = at the  
c = in the  
d = using it
- question 5 a = and  
b = store and  
c = trash and  
d = to teach
- question 6 a = let us borrow it.  
b = donated it.  
c = took it.  
d = lessons.
- Challenge 2
- question 1 a = I  
b = Timothy  
c = Lucetta  
d = Erin
- question 2 a = I  
b = Timothy  
c = Lucetta  
d = Erin
- question 3 a = for it  
b = for one  
c = for  
d = top of
- question 4 a = at the  
b = for his  
c = for  
d = top of
- question 5 a = thrift  
b = next  
c = just the  
d = her
- question 6 a = store.  
b = birthday.  
c = bottle.  
d = Birthday list.
- Challenge 3
- question 1 a = Erin  
b = Timothy  
c = I
- question 2 a = Erin  
b = Timothy  
c = I
- question 3 a = Erin  
b = Timothy  
c = I
- question 4 a = Erin  
b = Timothy  
c = I
- question 5 a = Erin  
b = Timothy  
c = I
- question 6 a = Erin  
b = Timothy  
c = I

## BATTLE OF THE BANDS RECORDING BROCHURE

Record your  
challenge answers  
along your journey.



## CHALLENGE 3



	Answer	Code
1.	C	I
2.	a	bought
3.		
4.		
5.		
6.		

How did you get the  
fiddle?

# Print

- OOPS! Cards for differentiation

Learn more!



## Music Escape Room

Lucas Smith

(name)

has successfully completed the challenges and  
won the Battle of the Bands!

12 / 02

(date)

Band  
Manager

Scan the QR code  
or click [here](#) to  
view the video.



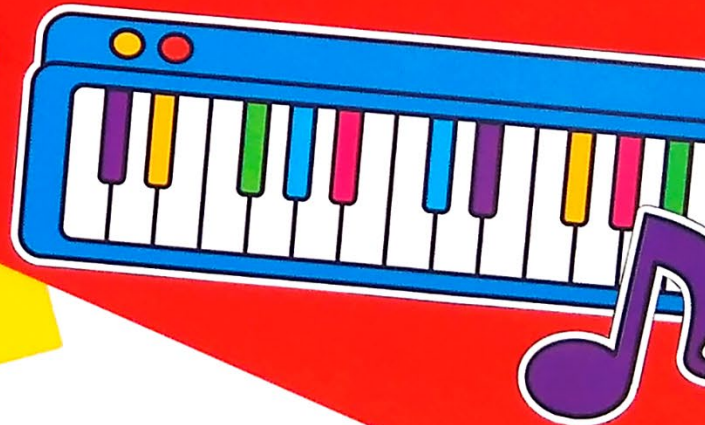
YOU MUST STAY QUIET FOR 5  
MINUTES. NO SPEAKING!

©Julie Boches

# Webscape <sup>TM</sup>

- Most interactive experience
- Self correcting
- Embedded videos
- Embedded audio
- Animation
- Simple navigation

Learn more!



# Webscape <sup>TM</sup>

- No log ins or sign ups
- Works with any device that has an internet connection and web browser
- Zero prep! Just share the link with your students.

*Learn more!*



# Google Slides

## 3. Solve the word problem.

The bass player in your band has a new instrument. He practiced by himself at home for four weeks before joining the band to practice as a group. How many hours did he practice alone?

	Week 1	Week 2	Week 3	Week 4
Hours practiced	29	37	18	35

- a. 139
- b. 129
- c. 119
- d. 109

- One problem per slide
- Students drag to circle their answers

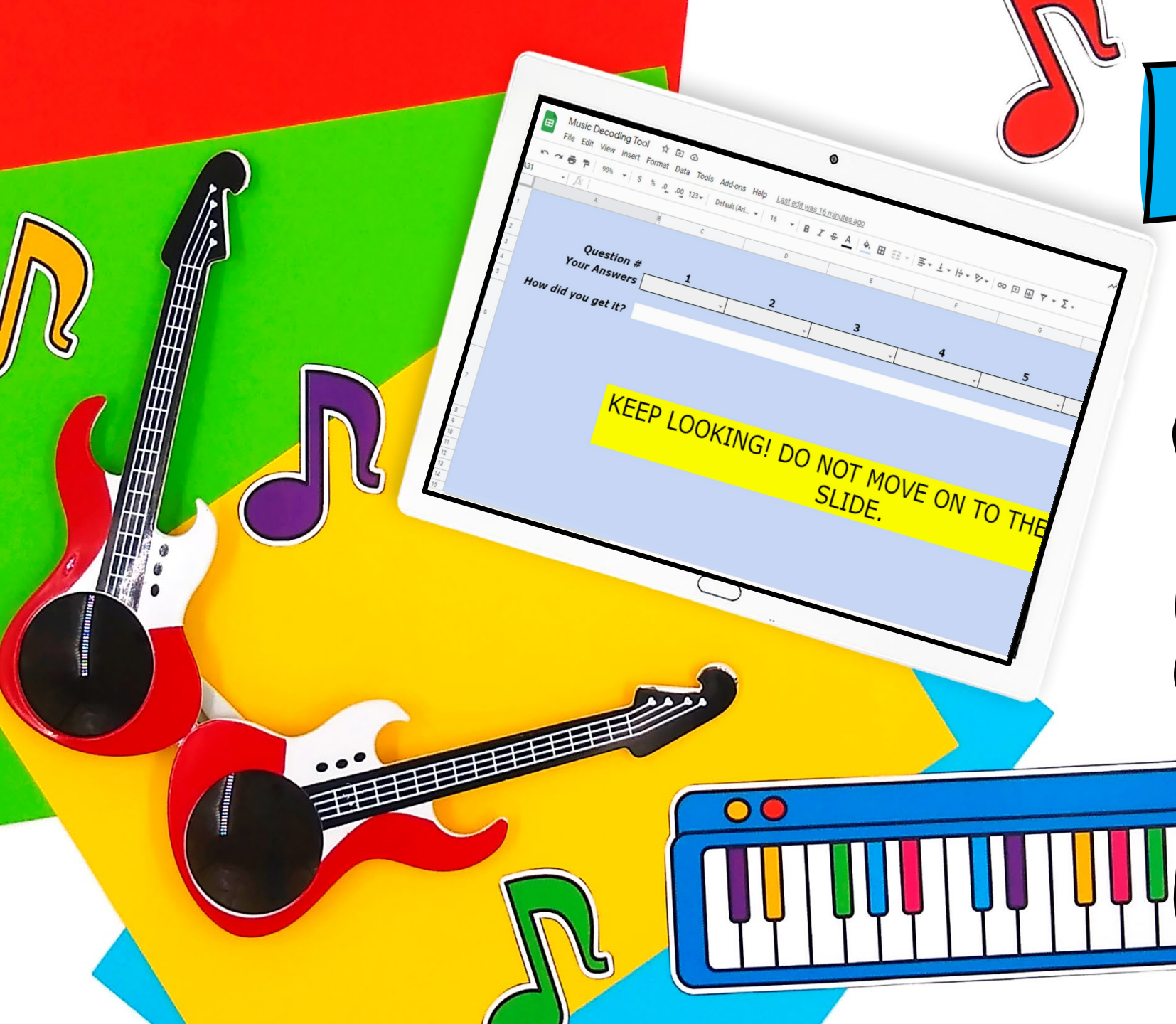
Learn more!



# Google Slides

- Toggle to self-checking decoder
- Decoder will prompt at the end of each challenge whether students are correct or need to check their work.

Learn more!



# Looking for More?

## ESCAPE ROOM BUNDLE Math Skills

4th Grade



Math Escape Rooms

2nd Grade 3rd Grade 4th Grade 5th Grade

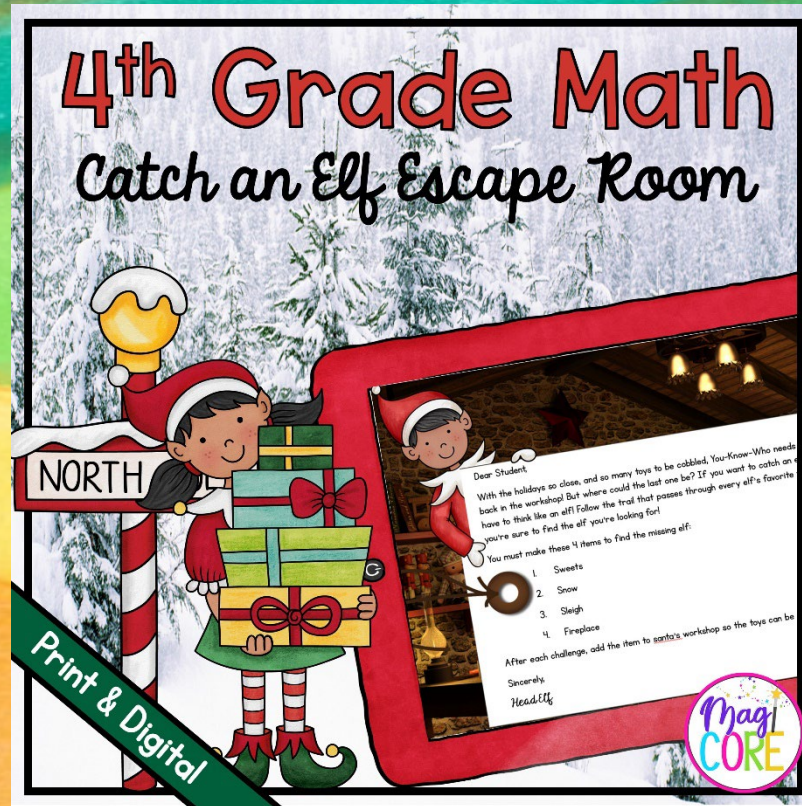
Math Fractions & Mixed Numbers  
Math Fractions & Mixed Numbers  
Math Fractions & Mixed Numbers  
Math Fractions & Mixed Numbers

Telling Time: Time Machine Escape Room

ENGAGE VIDEOS TELL THE STORY

Print and Digital

## 4th Grade Math Catch an Elf Escape Room



Print & Digital

Dear Student

With the holidays so close, and so many toys to be cobbled, You-Know-Who needs your help. Back in the workshop, but where could the last one be? If you want to catch an elf, you have to think like an elf! Follow the trail that passes through every elf's favorite place. You're sure to find the elf you're looking for!

You must make these 4 items to find the missing elf:

1. Sweets
2. Snow
3. Sleigh
4. Fireplace

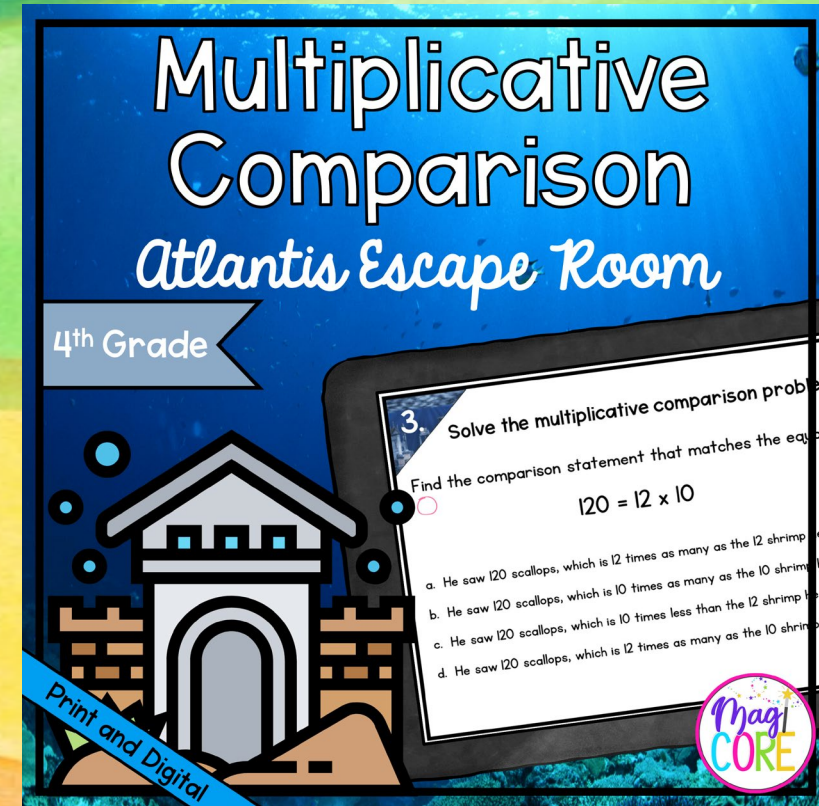
After each challenge, add the item to Santa's workshop so the toys can be made.

Sincerely,  
Head Elf

MagiCORE

## Multiplicative Comparison Atlantis Escape Room

4th Grade



Print and Digital

3. Solve the multiplicative comparison problem.

Find the comparison statement that matches the equation.

$120 = 12 \times 10$

- a. He saw 120 scallops, which is 12 times as many as the 12 shrimp he saw.
- b. He saw 120 scallops, which is 10 times as many as the 10 shrimp he saw.
- c. He saw 120 scallops, which is 10 times less than the 12 shrimp he saw.
- d. He saw 120 scallops, which is 12 times as many as the 10 shrimp he saw.

MagiCORE