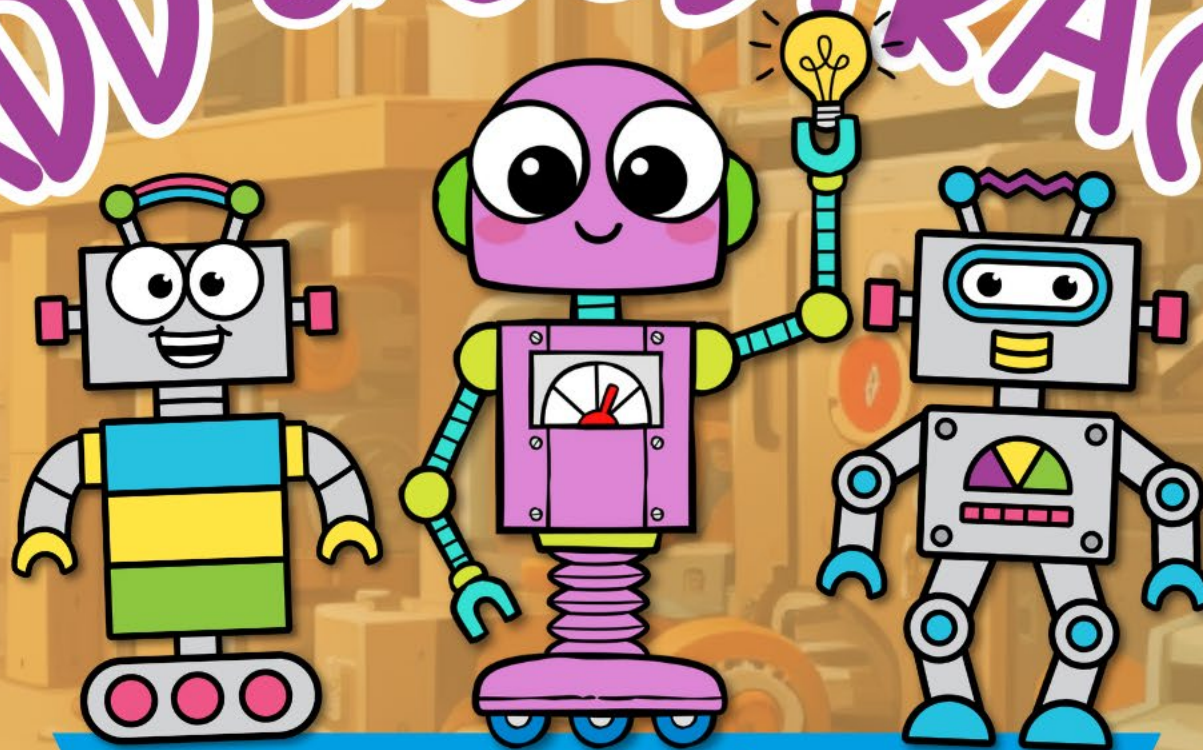




2nd Grade

ADD & SUBTRACT

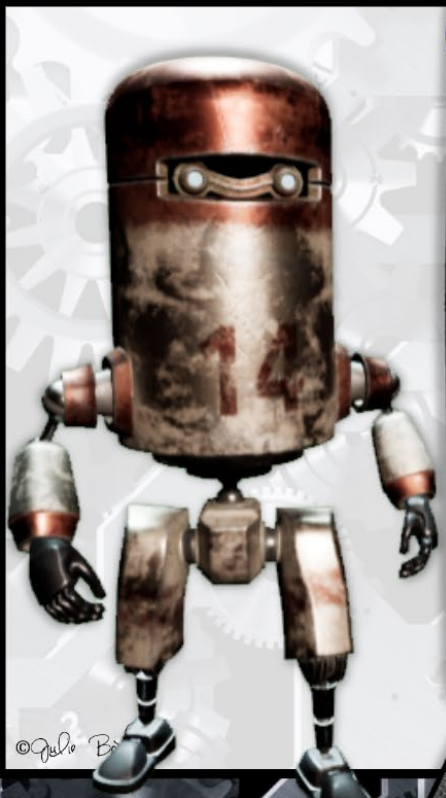


UP TO FOUR NUMBERS
ROBOT ESCAPE ROOM

PRINTABLE • GOOGLE • WEBSCAPE™

Help the Robot Factory!

Students won't realize they are practicing Adding & Subtracting up to 4 numbers skills! They will be immersed in the storytelling and our original videos as they complete math challenges.



DEAR

YOU FOUND THE ROBOT FACTORY! TO GET THIS PLACE UP AND RUNNING AGAIN, YOU'LL HAVE TO LEND ME A HAND! HELP ME GRAB MY MISSING PARTS, AND I'LL BE FULLY OPERATIONAL AGAIN!

FIND THE FOLLOWING MISSING PARTS:

1. GET MY LEFT ARM FROM THE VENDING MACHINE.
2. GET MY RIGHT ARM FROM UPSTAIRS.
3. GET MY LEGS FROM UNDER THE FORKLIFT.
4. GET MY FOOT FROM THE TRAIN.

BRING EACH MISSING PART BACK TO ME IN THE FACTORY.

Learn more!



4 Mathematics Challenges

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

Learn more!



Challenge #3

1. Solve each "find the mistake" problem.
2. Record answers on your brochure.
3. Check your answers in the Robot Decoder.
4. Add the robot legs to the factory.
5. Scan the QR code in the corner of the next page.
6. Move on to the challenge a!

1. What mistake did the student make when using the associative property to multiply? Solve.
 $2 \times 6 \times 2 = ?$

2. What mistake did the student make when using the distributive property to multiply? Solve.
 $3 \times 5 \times 2 = ?$

3. What mistake did the student make when using the distributive property to multiply? Solve.
 $8 \times 8 = ?$

Student's work:
First multiply $2 \times 2 = 4$, then multiply $4 \times 2 = 8$.

Student's work:
First multiply $2 \times 5 = 20$, then multiply $20 \times 3 = 60$.

Student's work:
First, break one 8 into 4 and 4, then multiply $8 \times 4 = 36$ and $8 \times 4 = 36$. Last, add $36 + 36 = 72$.

a. The student multiplied 4×2 in step two, not 4×6 .
b. The student thought 2×4 is 8 but it is really 16.
c. The student used all the factors.

a. The student thinks 20×3 equals 60 in step one.
b. The student should not have multiplied 2×5 in step one.
c. The student multiplied 30×3 in step two.
d. The student thinks 2×5 equals 10.

4. What mistake did the student make when using the distributive property to multiply? Solve.
 $12 \times 7 = ?$

5. What mistake did the student make when using the distributive property to multiply? Solve.

6. What mistake did the student make when using the distributive property to multiply? Solve.

Student's work:
First, break 12 into 10 and 2, then multiply $10 \times 7 = 70$ and $2 \times 7 = 14$. Last, add $70 + 14 = 94$.

Student's work:
 $4 \times 7 = 4 \times (2 + 5)$
 $= (4 \times 2) + (4 \times 5)$
 $= 8 + 25$
 $= 33$

Student's work:
 $5 \times 6 = 5 \times (3 + 3)$
 $= (5 \times 3) + (5 \times 3)$
 $= 15 + 15$
 $= 40$

a. The student added $70 + 14$ incorrectly.
b. The student thought 10×7 was 70 when it is really 100.
c. The student broke the 12 apart incorrectly.
d. The student used 12 as a factor after breaking it into 10 and 2.

a. The student multiplied 4×2 incorrectly.
b. The student multiplied 4×5 incorrectly.
c. The student added $8 + 25$ incorrectly.
d. The student broke apart 7 incorrectly.

a. The student multiplied 5×3 incorrectly.
b. The student used the wrong numbers.
c. The student added $15 + 15$ incorrectly.
d. The student broke apart 6 incorrectly.

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

Challenge #4

1. Solve each math pattern problem.
2. Record answers on your brochure.
3. Check your answers in the Robot Decoder.
4. Add the robot foot to the factory.
5. Scan the QR code at the bottom of the next page.
6. Build the robot and reset the patrol bot!

1. Gaston says that it is easy to add 56 and 98 by adjusting the addends. What did Gaston do to make it easier for him to add? Solve.
 $54 + 100 = ?$

2. Giana says that it is easy to add 73 and 107 by adjusting the addends. What did Giana do to make it easier for her to add? Solve.
 $80 + 100 = ?$

3. What are the missing numbers in the pattern?
6 12 18 24 _____ 54 60 _____

a. He adjusted 56 four numbers lower and 98 four numbers higher.
b. He adjusted 56 two numbers higher and 98 two numbers lower.
c. He adjusted 56 two numbers lower and 98 two numbers higher.
d. He adjusted 56 one number lower and 98 one number higher.

a. He adjusted 73 four numbers higher and 107 four numbers lower.
b. He adjusted 73 seven numbers higher and 107 seven numbers lower.
c. He adjusted 73 five numbers higher and 107 five numbers lower.
d. He adjusted 73 seven numbers lower and 107 seven numbers higher.

a. 30, 48, 66
b. 32, 48, 66
c. 30, 48, 64
d. 30, 46, 66

Challenge #1

1. Solve each "properties of multiplication" problem.
2. Record answers on your brochure.
3. Check your answers in the Robot Decoder.
4. Add the robot arm to the factory.
5. Scan the QR code in the corner of the next page.
6. Move on to the challenge #2.



1. Find the repeated addition:
6 groups of 5

- a. $6 + 6 + 6 + 6 + 6 + 6$
- b. $5 + 5 + 5 + 5 + 5$
- c. $6 + 6 + 6 + 6 + 6$
- d. $5 + 5 + 5 + 5 + 5 + 5$

2. Find the repeated addition:
7 groups of 4

- a. $4 + 4 + 4 + 4 + 4 + 4 + 4$
- b. $7 + 7 + 7 + 7$
- c. $4 + 4 + 4 + 4$
- d. $7 + 7 + 7 + 7 + 7 + 7$

1.

Add

$$\begin{array}{r} 27 \\ 34 \\ 15 \\ + 44 \\ \hline \end{array}$$

Show Your Work

1



Choose the method you will use to solve the problem. Click the blue tab with your chosen method. Solve and show your work. Then, select the correct answer below.



Solve using
manipulatives



Solve by
decomposing



Solve using the
standard algorithm

$$\begin{array}{r} 27 \\ 34 \\ 15 \\ + 44 \\ \hline \end{array}$$

100

129

110




120

3 Versions

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

Learn more!



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



Print

- Certification

Learn more!



Robot Escape Room

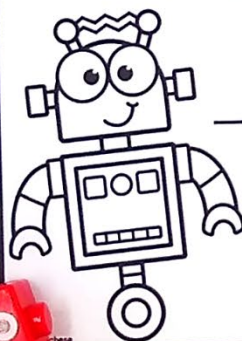
Olivia Davis

(name)

has successfully completed the challenges and
reset the patrol bots!

30/04

(date)



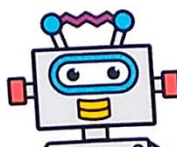
The Robot

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

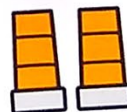


ROBOT RECORDING BROCHURE

Record your
challenge answers
along your journey.



CHALLENGE 3



	Answer	Code
1.	g	I
2.	d	lifted
3.		
4.		
5.		
6.		

How did you get the legs?

Webscape TM

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

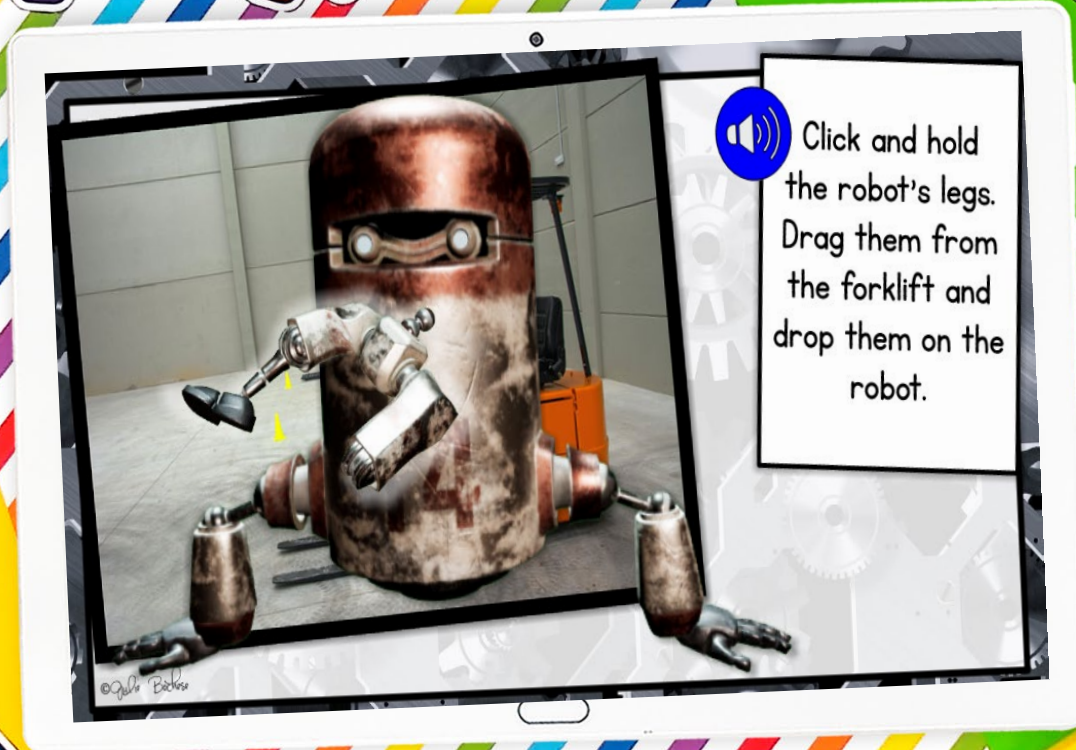
Learn more!



Webscape TM

- 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









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

Learn more!



3. Find the Mistake

What mistake did the student make when adding the blocks? ☐

HUNDREDS	TENS	ONES
		
		
		
		
1	4	2

a. The student added the tens incorrectly.

b. The student only regrouped 10 instead of 20 from the one's place.

c. The student forgot to add an extra 20 after they regrouped the ones.

d. The student put a one in the hundreds place that doesn't belong.

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

2nd Grade



Math Escape Rooms

- 2nd Grade: Addition & Subtraction
- 3rd Grade: Multiplication & Division
- 4th Grade: Fractions & Decimals
- 5th Grade: Fractions & Decimals

Telling Time: Time Machine Escape Room

ENGAGE VIDEO: TELL THE STORY

Print and Digital

2D & 3D Shapes Catch the Bandit Escape Room

2nd Grade



Dear Student,

You're having a great time visiting the big city! But while you're out seeing the sites, petty crime caught up with you. A bandit stole some money out of your backpack.

You must follow the bandit to catch him and get your money back.

1. Go to the waterfront.
2. Go to Chinatown.
3. Go to the park.
4. Go to Downtown.

After each challenge, add the pin to your map to catch the bandit.


Sincerely,
Friendly Neighborhood Crime Watchers

Print and Digital

MagiCORE

Add and Subtract to 100 Atlantis Escape Room

2nd Grade



Find the Mistake

1. What mistake did the student make when adding the numbers?

$$\begin{array}{r} 50 + 8 \\ + 30 + 3 \\ \hline 80 + 12 = 92 \end{array}$$

- a. The student added $50 + 30$ incorrectly.
- b. The student forgot to add the ten they regrouped after adding $8 + 3$.
- c. The student added $8 + 3$ incorrectly.
- d. The student added $80 + 12$ incorrectly.

Print and Digital

MagiCORE