

3rd Grade

MATH REVIEW



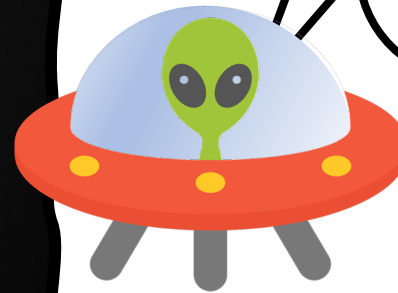
EARTH DAY
ALIEN RESCUE
ESCAPE ROOM



PRINTABLE • GOOGLE • WEBSCAPE™

Immerse in the Story

You know, we aliens came to Earth to try to help your planet, but now four of my friends are stuck in some pretty polluted places! Please, help me pick them all up before this Earth Day is over.



Learn more!



Greetings, Earthlings!

My comrades and I have traveled from far, far away in our spaceship to help your planet. We hear you haven't been taking care of it properly! But now, four of my crew have gotten stuck in your planet's pollution.

Can you help my fellow aliens escape the pollution?

Crew members to help:

1. Commander Glibnar
2. Petty Officer Globnix
3. Lieutenant Ipsix
4. Exploration Officer Fiblar

After each challenge, put the alien back in the spaceship!

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



4 Math Challenges

- Standards Based
- Scaffolded

Challenges

1. Addition and subtraction (2.OA.A.1, 2.NBT.B.7)
2. Place Value (2.NBT.A.1, 2.NBT.B.4)
3. Arrays (2.OA.C.4)
4. Geometry & Fractions (2.G.A.1, 2.G.A.2, 2.G.A.3)

Learn more!



Challenge #3

1. Solve each multiplication problem.
2. Record answers on your brochure.
3. Check your answers in the Alien Rescuer Decoder.
4. Put Lieutenant Ipsix in the spaceship.
5. Scan the QR code in the corner of the page.
6. Move on to challenge #4.



2. Lieutenant Ipsix takes his Geiger counter to plant. On the ground, there are 3 clusters of plants that lead to underground tunnels. Each cluster has 12 plants. How many plants are there in total?

Challenge #2

1. Solve each place value problem.
2. Record answers on your brochure.
3. Check your answers in the Alien Rescuer Decoder.
4. Put Petty Officer Globnix in the spaceship.
5. Scan the QR code in the corner of the next page.
6. Move on to challenge #3.



2. A bunch of volunteers have come to the beach to help clean up the oil spill. 64 volunteers are wading in the water and 28 are standing on the sand. How many volunteers are there in total when rounded to the nearest ten?

- a. 100
- b. 80
- c. 92
- d. 90

1. An oil tanker ran ashore on a coral reef, causing many of its oil barrels to fall into the ocean! The number of barrels that fell into the ocean is 500. How many barrels are there in total when rounded to the nearest hundred?

CHALLENGE #1



1. Solve the addition and subtraction problems.

2. Use your answers to rescue Commander Glibnar.

3. Put Commander Glibnar back in his spaceship and move on to the next challenge.

I'm Ready!



3 Versions

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

Learn more!



Challenge #3

1. Solve each multiplication problem.
2. Record answers on your brochure.
3. Check your answers in the Alien Rescue Decoder.
4. Put Lieutenant Ipsix in the spaceship.
5. Scan the QR code in the corner of the next page.
6. Move on to challenge #4.

1. Lieutenant Ipsix finds a box of Geiger counters arranged into an array as shown. Write a multiplication equation representing the array.

Challenge #2

1. Solve each place value problem.
2. Record answers on your brochure.
3. Check your answers in the Alien Rescue Decoder.
4. Put Petty Officer Globnix in the spaceship.
5. Scan the QR code in the corner of the next page.
6. Move on to challenge #3.

1. An oil tanker ran ashore on a coral reef, causing many of its oil barrels to fall into the ocean! The number of barrels that fell into the ocean is 500 when rounded to the nearest ten.

2. A bunch of volunteers have come to the beach to help clean up the oil spill. 64 volunteers are wading in the water and 28 are standing on the sand. How many volunteers are there in total when rounded to the nearest ten?

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Can you help my fellow aliens escape the pollution?

Crew members to help:

1. Commander Glibnar
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3. Lieutenant Ipsix
4. Exploration Officer Fiblar

After each challenge, put the alien back in the spaceship!

Let's Go!

	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
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Learn more!



Print

- Low prep
- Paper Saving
- Optional QR codes so students experience videos

Challenge #1

1. Solve each addition or subtraction problem.
2. Record answers on your brochure.
3. Check your answers in the Alien Rescue Decoder.
4. Put Commander Glibnar in the spaceship.
5. Scan the QR code in the corner of the next page.
6. Move on to challenge #2.
2. The highest smokestack in Smog City is 902 feet high. The shortest smokestack is 289 feet high. How much taller is the highest smokestack than the shortest?
a. 713 feet c. 607 feet
b. 613 feet d. 719 feet
3. None of the residents of Smog City walk, bike, or take public transportation. They all drive their own cars everywhere! Commander Glibnar sees 456 cars go by in one hour. In the next hour, he sees 387 more cars go by. How many cars have passed Commander Glibnar?
a. 833 cars c. 733 cars
b. 743 cars d. 843 cars
4. Commander Glibnar tries using his Air-Purifying Laser to clean the air in Smog City. He runs it for 249 minutes, but the air is as smoggy as ever! He recharges it and runs it for 485 minutes more. For how many minutes did he use the laser?
a. 624 minutes c. 724 minutes
b. 634 minutes d. 734 minutes

1. Smog City has lots of factories and, as a result, it is very smoggy. The number and types of factories are below. How many factories are there in Smog City in total?

189 automobile factories
234 electronics factories
317 toy factories

- a. 730 factories
- b. 740 factories
- c. 640 factories
- d. 740 factories

5. Commander Glibnar is counting how many vehicles are stuck in a traffic jam. He uses the "break apart" strategy to help him. This is what he did to find the number.

$$\begin{array}{r} 663 \text{ cars} + 346 \text{ trucks} = ? \text{ vehicles in total} \\ \downarrow \quad \downarrow \quad \downarrow \quad \downarrow \\ 600 + 60 + 3 \quad 300 + 40 + 6 \end{array}$$

Which set of equations shows Commander Glibnar's thinking using the "break apart" strategy?

- a. $600 + 300 = 900$, $60 + 40 = 100$, and $3 + 6 = 9$, so $900 + 100 + 9 = 1,009$ vehicles
- b. $600 + 60 = 660$, $300 + 40 = 340$, and $3 + 6 = 9$, so $660 + 340 + 9 = 1,009$ vehicles
- c. $600 + 6 + 3 + 300 + 40 + 6 = 1,009$ vehicles
- d. $600 + 60 + 3 = 663$, and $300 + 40 + 6 = 346$, so $663 + 346 = 1,009$ vehicles

6. The landfill in Smog City is overflowing, so every day they burn 9 truckloads of trash instead of putting it in the landfill. Commander Glibnar wrote this multiplication equation to determine how many truckloads of trash are burned each week. Which repeated addition sentence matches the multiplication equation?

$$9 \times 7$$

- a. $9 + 9 + 9 + 9 + 9 + 9 + 9 + 9$
- b. $7 + 7 + 7 + 7 + 7 + 7 + 7$
- c. $9 + 9 + 9 + 9 + 9 + 9 + 9$
- d. $9 \cdot 7$

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




Learn more!



Print

- Cut and paste stamps for each challenge
- Easy to follow
- Optimal for group or partner work



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Can you help my fellow aliens escape the pollution?

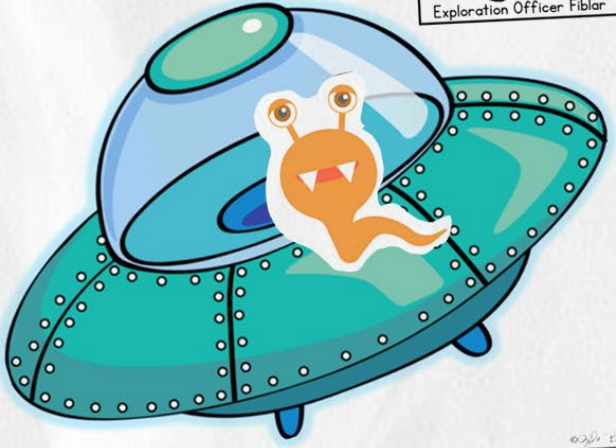
Crew members to help:

1. Commander Glibnar
2. Petty Officer Globnix
3. Lieutenant Ipsix
4. Exploration Officer Fiblar

After each challenge, put the alien back in the spaceship!



Cut out each alien. After each challenge, paste the alien into the spaceship. Once all the aliens are safely back on the ship, they can return home!



Exploration Officer Fiblar

Lieutenant Ipsix

Commander Glibnar

Petty Officer Globnix

The highest smokestack in Smog City is 902 feet high. The shortest smokestack is 289 feet high. How much taller is the highest smokestack than the shortest?

a. 713 feet c. 607 feet
b. 613 feet d. 719 feet

One of the residents of Smog City walk, bike, or take public transportation. They all drive their own cars. Anywhere Commander Glibnar sees 456 cars go by in one hour. In the next hour, he sees 387 more cars go by. How many cars have passed Commander Glibnar?

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b. 743 cars d. 843 cars

4. Commander Glibnar tries using his Air Purifying Laser to clean the air in Smog City. He runs it for 249 minutes, but the air is as smoggy as ever! He recharges it and runs it for 485 minutes more. For how many minutes did he use the laser?

a. 624 minutes c. 724 minutes
b. 634 minutes d. 734 minutes

Learn more! 

Print

- Recording brochure for answers
- Self-checking decoder
- Certificate of completion

Learn more!



Alien Rescue Decoder

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

Challenge 1	question 1	question 2	question 3	question 4	question 5	question 6
	a = We were b = He was c = He had d = There was	a = going b = hiding c = info d = called	a = near b = because c = among d = underneath	a = when the b = smokestack c = pollution d = a pile	a = of old b = to his c = when the d = since	a = factory b = spaceship c = trees d = window

Challenge 2	question 1	question 2	question 3	question 4	question 5	question 6
	a = He was b = With a c = First you d = Not...	a = water b = clearing c = him	a = dish soap b = volunteer	a = because b = and c = washing d = but then	a = a little b = sometimes c = lots of d = he goes	a = of farker b = on the beach c = back home d = scrubbing

	question 4	question 5	question 6
	a = underground b = radioactive c = chasing d = into	a = the b = out c = help him d = running	a = quickly b = nuclear plant c = afterwards d = ...

EARTH DAY ALIEN RESCUE


_____ (name)
has successfully saved all the
aliens from the Earth's pollution!

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

_____ (Date)
Thank you, Earthling!



CHALLENGE 1



Answer	Code
1.	
2.	
3.	
4.	
5.	
6.	

Where was Commander Glibnar hiding?

CHALLENGE 2

Answer	Code
1.	
2.	
3.	
4.	
5.	
6.	

How can you clean all the oil off Petty Officer Globnix?

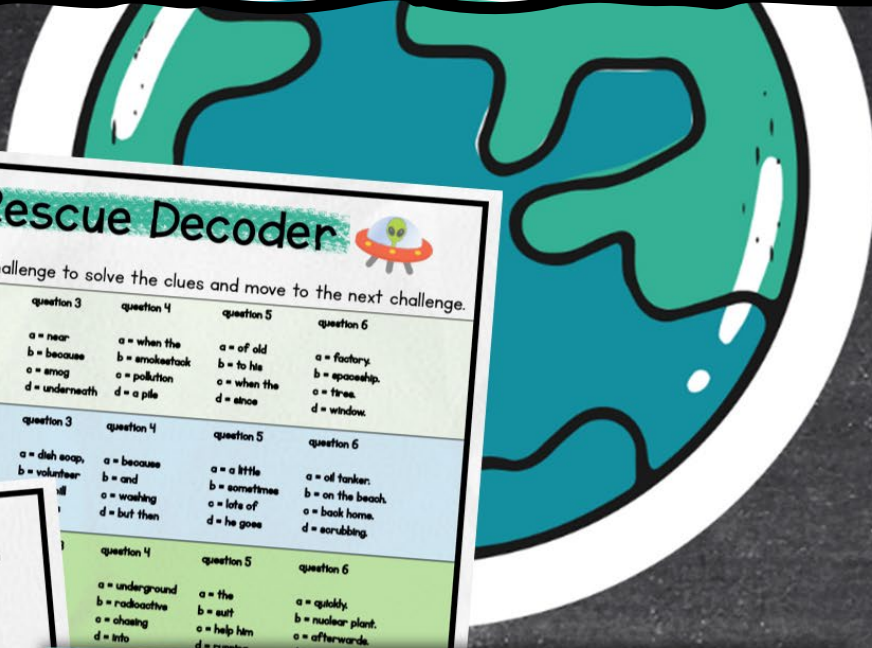


CHALLENGE 3



Answer	Code
1.	
2.	
3.	
4.	
5.	
6.	

How can you help Lieutenant Ipsix escape from the nuclear plant?





OOPS!
You forgot to recycle!



OOPS!
Your eyes are irritated from the smog!



YOU MUST BE BLINDFOLDED FOR 5
MINUTES. NO USING YOUR EYES
DURING THIS TIME!

PS!
need to clean up!



NO HELPING YOUR TEAM
FOR 3 MINUTES!

Print

- OOPS! Cards for differentiation

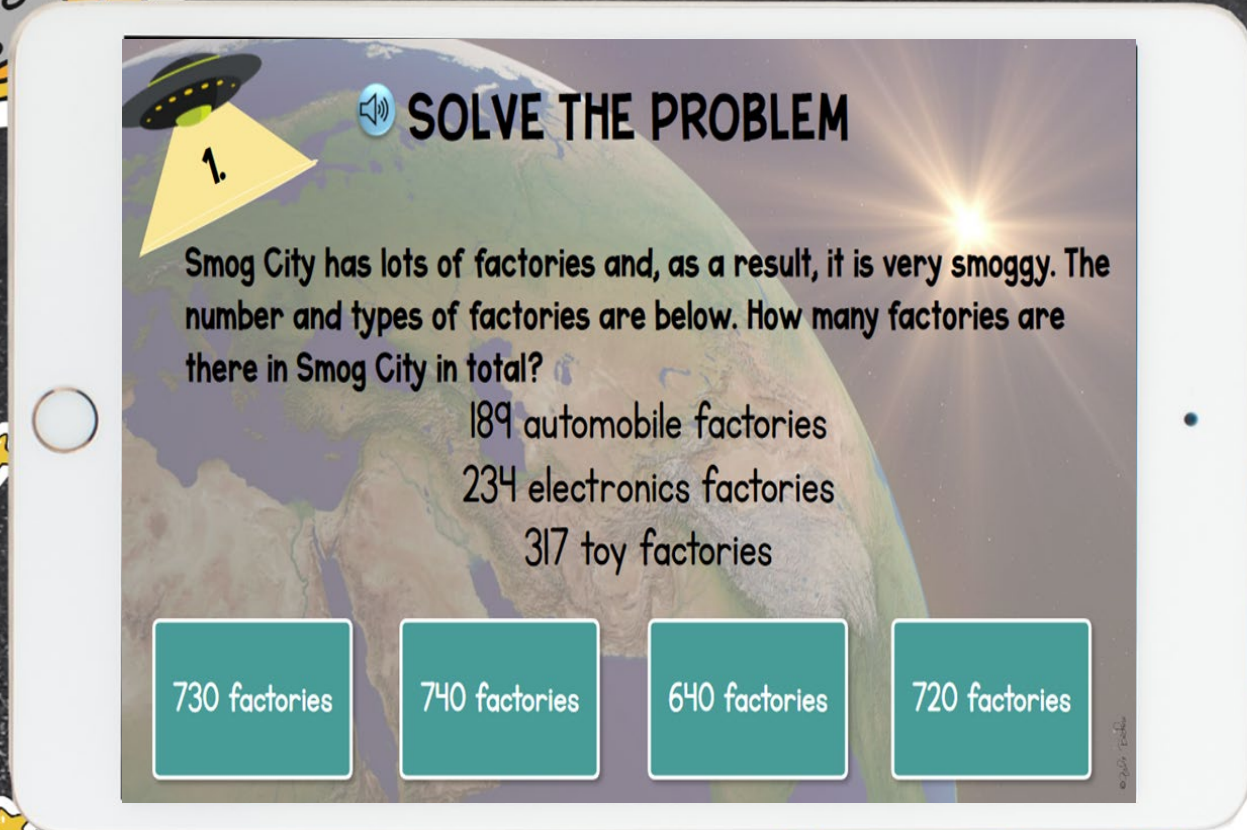
Learn more!




Webscape™

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

Learn more!



1.  **SOLVE THE PROBLEM**

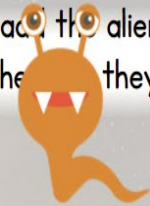
Smog City has lots of factories and, as a result, it is very smoggy. The number and types of factories are below. How many factories are there in Smog City in total?

189 automobile factories
234 electronics factories
317 toy factories

730 factories 740 factories 640 factories 720 factories

Webscape™

Collect each alien. After each challenge, add the alien into the spaceship.
Once all the aliens are safely back on the spaceship they can return home!



Click the spaceship
to collect your alien!

Great work! Let's keep going!

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

Learn more!



Google Slides

2

SOLVE THE PROBLEM.

The highest smokestack in Smog City is 902 feet high. The shortest smokestack is 289 feet high. How much taller is the highest smokestack than the shortest?

- a. 713 feet
- b. 613 feet
- c. 607 feet
- d. 719 feet

Drag to circle
your answer



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- One problem per slide
- Students drag to highlight answer

Learn more!



Google Slides

Earth Day Math Alien Rescue Escape Room Decoding Tool

Question #	1	2	3	4	5	6
Your Answers						

Where was Commander Glibnar hiding?

KEEP LOOKING! DO NOT MOVE ON TO THE NEXT SLIDE.

Challenge 1 - Save Commander Glibnar! | Challenge 2 - Help Petty Officer Globnix! | Challenge 3 - Evacuate Lieutenant Ipsix! | Challenge 4 - Rescue Exploration Officer Fiblar!

- 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?



Earth Day Bundle

3rd Grade

3rd Grade Math Earth Day Alien Rescue Escape Room

Virtual Field Trip: Recycling Facility for Earth Day

EARTH DAY PBL Organize a Debate!

Save the Planet Reasons Support Points Escape Room

Magi CORE

This advertisement features a collage of educational materials. At the top left is a yellow sun icon with '3rd Grade' written inside. The main title 'Earth Day Bundle' is in a green banner. Below it are several cards: one for '3rd Grade Math Earth Day Alien Rescue Escape Room' with a rocket and alien, one for 'Virtual Field Trip: Recycling Facility for Earth Day' with a recycling symbol, one for 'EARTH DAY PBL Organize a Debate!' with a hand holding a card, and one for 'Save the Planet Reasons Support Points Escape Room' with a globe. A 'Magi CORE' logo is in the bottom right corner.



Holiday Math Escape Room Bundle

3rd Grade

3rd Grade Math Lucky's Map Escape Room

HALLOWEEN MATH Escape Room

3rd Grade Math Catch an Elf Escape Room

3rd Grade Math Earth Day Alien Rescue Escape Room

3rd Grade Math The Case of the Missing Valentines Escape Room

Magi CORE

This advertisement features a collage of holiday-themed educational materials. At the top is a teal banner with 'Holiday Math Escape Room Bundle'. Below it is a teal banner with '3rd Grade'. The main title is in a teal banner. Below it are several cards: one for '3rd Grade Math Lucky's Map Escape Room' with a globe and clovers, one for 'HALLOWEEN MATH Escape Room' with a pumpkin, one for '3rd Grade Math Catch an Elf Escape Room' with an elf, one for '3rd Grade Math Earth Day Alien Rescue Escape Room' with a rocket, and one for '3rd Grade Math The Case of the Missing Valentines Escape Room' with a girl. A 'Magi CORE' logo is in the bottom right corner.



MATH REVIEW

Escape the School

3rd Grade

6. The school day starts at 8:07am and ends at 2:55pm. How long is the school day?

5 hours and 48 minutes

6 hours and 48 minutes

Print and Digital

Magi CORE

This advertisement features a green chalkboard background. At the top is a green banner with 'MATH REVIEW' and a white banner with 'Escape the School'. Below it is a yellow banner with '3rd Grade'. The main title is in a white banner. Below it is a red banner with 'Print and Digital'. The main content is a math problem: '6. The school day starts at 8:07am and ends at 2:55pm. How long is the school day?'. Below the problem are two answer choices: '5 hours and 48 minutes' and '6 hours and 48 minutes'. A red schoolhouse illustration is on the left. A clock face is on the right. A 'Magi CORE' logo is in the bottom right corner.