

5th Grade

MATH REVIEW



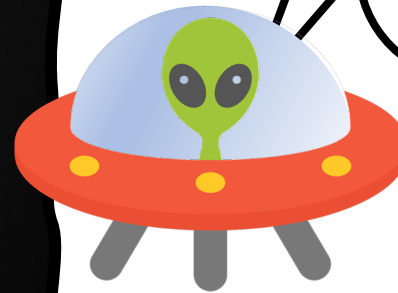
EARTH DAY
ALIEN RESCUE
ESCAPE ROOM



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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 problem with decimals.
2. Record answers on your brochure.
3. Check your answers in the Alien Re
4. Put Lieutenant Ipsix in the spacesh
5. Scan the QR code in the corner of
6. Move on to challenge #4.

1. Lieutenant Ipsix travels down fro to a nuclear plant. He brings his G measure the radiation levels near Geiger counter weighs 3.75 pounc ounces in a pound, how many our Geiger counter weigh?



2. Lieutenant Ipsix takes his Geiger counter plant. Under the nuclear plant, there is a sys. ... measures 2.485 meters long

Challenge #2

1. Solve each problem with fractions.
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, and as a result, its 100,000-gallon cargo of oil is slowly leaking into the ocean! During the first day, $\frac{2}{7}$ of the 100,000

2. A bunch of volunteers have come to the beach to help clean up the oil spill. $\frac{2}{3}$ of the volunteers are standing on the sand and $\frac{1}{3}$ of the volunteers are wading in the water. The volunteers in the sand are split into 4 equal-sized groups. One of these groups is responsible for cleaning oil off the seagulls. What fraction of the total number of volunteers are on seagull cleaning duty?

a. $\frac{2}{7}$

c. $\frac{8}{3}$

d. $\frac{2}{12}$

Globnix descends from the spaceship to clean-up. When Officer Globnix lands, 22,312 gallons of oil have already leaked into the water. The volunteers successfully cleaned up $\frac{1}{8}$ of the oil. How many gallons of oil have been cleaned up?

a. 3,012 gallons

d. 2,847 gallons

Challenge #1

Click on each clue and answer the questions. Answer carefully, because the right answers will give you the clues to solve the challenge!

Where was Commander Glibnar hiding?

We were

Clue #1



Clue #2



Clue #3

Submit



Clue #4



Clue #5



Clue #6

3 Versions

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

Challenge #3

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

Challenge #2

1. Solve each problem with fractions.
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.

2. A bunch of volunteers have come to the beach to help clean up the oil spill. $\frac{2}{3}$ of the volunteers are standing on the sand and $\frac{1}{3}$ of the volunteers are wading in the water. The volunteers in the sand are split into 4 equal-sized groups. One of these groups is responsible for cleaning oil off the seagulls. What fraction of the total number of volunteers are on seagull cleaning duty?

- a. $\frac{2}{7}$ c. $\frac{8}{3}$
b. $\frac{1}{4}$ d. $\frac{2}{12}$

Petty Officer Globnix descends from the spaceship to clean-up. When Officer Globnix lands, 22,312 gallons of oil have already leaked into the water. The volunteers successfully cleaned up $\frac{1}{8}$ of the oil. How many gallons of oil have been cleaned up?

- a. 2,789 gallons c. 3,012 gallons
b. 2,847 gallons d. 2,847 gallons

3. SOLVE THE PROBLEM

None of the residents of Smog City walk, bike, or take public transportation. They all drive their own cars everywhere! Commander Glibnar saw 39 red cars drive by. He saw 4 times as many black cars as red cars, and 26 fewer white cars than black cars. Which equation shows the number of white cars Commander Glibnar saw?

$39 \times (26 - 4)$




$26 - (39 \times 4)$

$(4 + 39) - 26$

$(39 \times 4) - 26$

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

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

Challenge #1

1. Solve each multiplication or division 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 petroleum refining plant in Smog City has lots of smokestacks that spew smoke and exhaust into the sky. The height of the tallest smokestack is represented by the equation below. How tall is the tallest smokestack?

$$[19 \times (30 \div 6)] + (24 - 8)$$

- a. 121 feet
- b. 88 feet
- c. 108 feet
- d. 132 feet

1. Smog City has lots of factories and, as a result, it is very smoggy. There are 288 factories in the 32 square mile area of Smog City. If there are an equal number of factories per square mile, how many factories per square mile are there in Smog City?

- a. 8 factories
- b. 9 factories
- c. 12 factories
- d. 14 factories

3. None of the residents of Smog City walk, bike, or take public transportation. They all drive their own cars everywhere! Commander Glibnar saw 39 red cars drive by. He saw 4 times as many black cars as red cars, and 26 fewer white cars than black cars. Which equation shows the number of white cars Commander Glibnar saw?

- a. $39 \times (26 - 4)$
- b. $26 - (39 \times 4)$
- c. $(4 \times 39) - 26$
- d. $(39 \times 4) - 26$

4. Commander Glibnar tries using his Air Purifying Laser to clean the air in Smog City. The laser runs for 48 minutes before it runs out of batteries. Commander Glibnar ran the laser for 624 minutes. How many batteries did the laser use up?

- a. 23 batteries
- b. 16 batteries
- c. 11 batteries
- d. 13 batteries

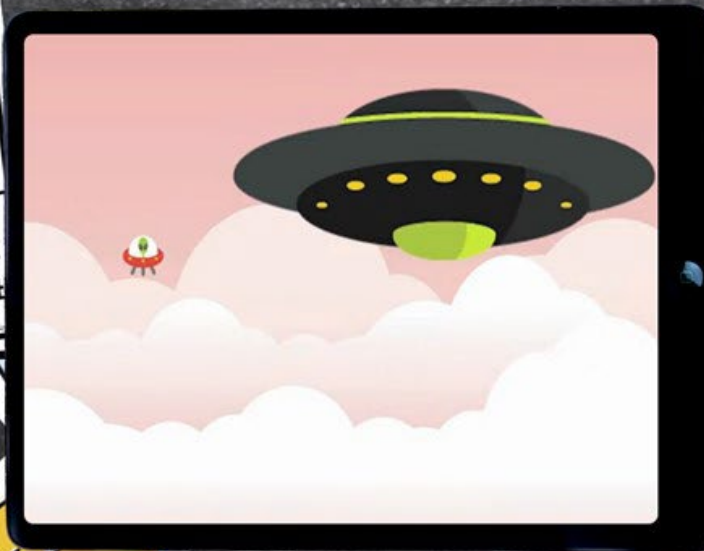
6. The landfill in Smog City is overflowing, so every day they have to burn 34 truckloads of trash. If the month of January has 31 days, how many truckloads of trash were burned in Smog City in January?

- a. 1,240 truckloads
- b. 1,082 truckloads
- c. 1,054 truckloads
- d. 1,126 truckloads

5. Commander Glibnar is counting the vehicles stuck in a traffic jam. There are 12,912 vehicles in the traffic jam spread equally across 16 lanes of the highway. How many vehicles are in each lane of the highway?

- a. 762 vehicles
- b. 748 vehicles
- c. 766 vehicles
- d. 724 vehicles

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

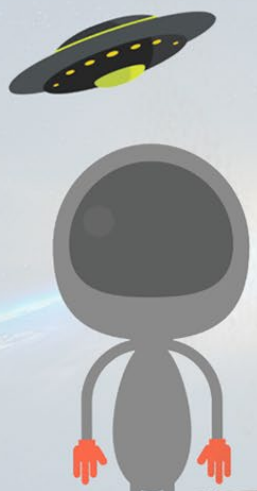


Learn more!



Print

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



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!



The petroleum refining plant in Smog City has lots of smokestacks that spew smoke and exhaust into the sky. The height of the tallest smokestack is represented by the equation below. How tall is the tallest smokestack?

$$9 \times (30 \div 6)] + (24 - 8)$$


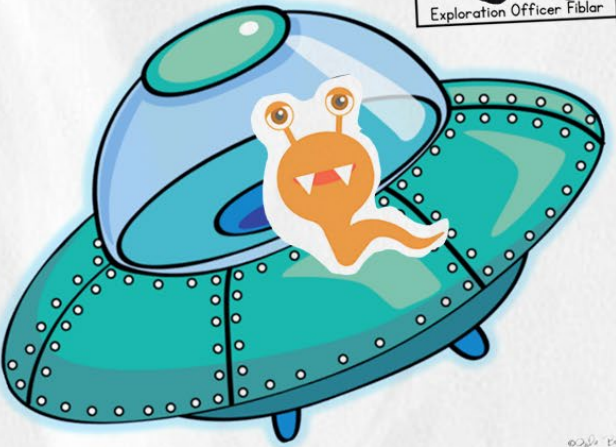
a. 121 feet c. 118 feet
b. 111 feet d. 132 feet

factories per square mile, per square mile are there in


3. None of the residents of Smog City walk, bike, or take public transportation. They all drive their own cars everywhere! Commander Glibnar saw 39 red cars drive by. He saw 4 times as many black cars as red cars, and 26 fewer white cars than black cars. Which equation shows the number of white cars Commander Glibnar saw?

a. $39 \times (26 - 4)$ c. $(4 + 39) - 26$
b. $26 - (39 \times 4)$ d. $(39 \times 4) - 26$


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

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!

A white tablet with a black bezel is shown against a space-themed background. The screen displays a math problem. At the top left, there is a yellow triangle with the number '2' inside, and a small speaker icon. The text on the screen reads: 'SOLVE THE PROBLEM' followed by a paragraph: 'Lieutenant Ipsix takes his Geiger counter to a nuclear plant. Under the nuclear plant, there is a system of tunnels underground that measures 2,485 meters long in total. How many kilometers long are the tunnels?'. Below the text are four teal-colored buttons with white text: '24.85 kilometers', '248.5 kilometers', '2.485 kilometers', and '0.2485 kilometers'. The background of the tablet screen shows a view of Earth from space with a bright sun flare.

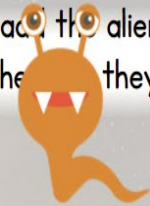
2.  SOLVE THE PROBLEM

Lieutenant Ipsix takes his Geiger counter to a nuclear plant. Under the nuclear plant, there is a system of tunnels underground that measures 2,485 meters long in total. How many kilometers long are the tunnels?

24.85 kilometers 248.5 kilometers 2.485 kilometers 0.2485 kilometers

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

1

SOLVE THE PROBLEM.

From his spaceship, Exploration Officer Fiblar spots some interesting ice formations floating in the ocean. He sees one chunk of ice with the characteristics below. What is the shape of the ice?

- Has 4 sides
- Has one pair of parallel sides
- Has one pair of equal sides
- Has two acute angles
- Has two obtuse angles

- a. Rhombus c. Trapezoid
b. Parallelogram d. Rectangle



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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

File Edit View Insert Format Data Tools Extensions Help Last edit was made on March 16 by Patrick Mateo

Question #	1	2	3	4	5	6
Your Answers						
Where was Commander Glibnar hiding?	a					
	b					
	c					
	d					

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

5th Grade

5th Grade Math Earth Day Alien Rescue Escape Room

Virtual Field Trip: Recycling Facility for Earth Day

EARTH DAY PBL Organize a Debate!

3rd - 5th Grades

Save the Planet Reasons Support Points Escape Room

4th - 5th Grade

Magi CORE

Holiday Math Escape Room Bundle

5th Grade

5th Grade Math Lucky's Map Escape Room

HALLOWEEN MATH Escape Room

5th Grade Math Catch an Elf Escape Room

5th Grade Math The Case of the Missing Valentines Escape Room

5th Grade Math Earth Day Alien Rescue Escape Room

Magi CORE

MATH REVIEW Escape the School

5th Grade

SCHOOL

Print and Digital

6. The portion of your classroom with $3 \frac{2}{3}$ square units shaded below. What is the area of the student desks?

$2 \frac{3}{4}$ square units

Magi CORE