

Alice B. Beal Elementary School



Hi, Beal Students and Families!

The schedule below will help you with your daily work. Have fun learning!

Remote Learning Lessons for Grade: 5

Week of June 8

English Language Arts



Tasks:	Monday	Tuesday	Wednesday	Thursday	Friday
Reading	Read the article "SpaceX launches first astronauts for NASA on test flight" and answer the multiple choice questions.	Read the article "To the Moon and Back" and answer the Multiple Choice questions. ***Must do	COMPLETE IREADY STANDARDS MASTERY TEST INSTEAD of iReady Minutes YOU MUST COMPLETE THE Reading IREADY TEST ***MUST DO You can watch the video from NASA that	COMPLETE IREADY STANDARDS MASTERY TEST INSTEAD of iReady minutes YOU MUST COMPLETE THE Reading IREADY TEST ***MUST DO.	Compare the original mission to the moon with the more recent SpaceX launch. Have one paragraph that explains the similarities and one that explains the differences.

			shows the Space X Launch.			
Word Work	<p>Go to Flocabulary.com Enter class code P5V2RY</p> <p>Watch the video about Cause and Effect.</p>	<p>Go to Flocabulary.com Enter class code P5V2RY</p> <p>Complete the vocabulary cards about Cause and Effect.</p>	<p>Go to Flocabulary.com Enter class code P5V2RY</p> <p>Complete the read and respond video about Cause and Effect.</p>	<p>Go to Flocabulary.com Enter class code P5V2RY</p> <p>Complete the quiz about Cause and Effect.</p>	<p>Go to Flocabulary.com Enter class code P5V2RY</p> <p>Play the vocabulary game about Cause and Effect.</p>	

Writing	Complete the explanatory graphic organizer to create a piece of opinion writing where you explain if you feel space exploration is important or not.	Use your graphic organizer to write a strong beginning for your writing piece. Try to kick it off with either a question, quotation, or a strong statement.	Create details That build off of each other for your Piece. Be sure to Use transition phrases to help your reader understand that you are moving to your next point.	Create a conclusion that gives your reader closure and closes up your piece. Reread your piece does it make sense? What can you add or take away from it to clarify it for your readers?	Create a piece of opinion writing where you explain if you feel space exploration is important or not. *****THIS IS A MUST DO
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This weeks iReady minutes will be replaced by the Standards Mastery Test.

Math ***COMPLETE 45 IREADY MINUTES THIS IS A MUST DO**

When solving problems on Padlet, click on the link in the box for the day and read the directions/problem to solve. Respond by clicking the + sign. **Always remember to leave your name when you are done and check back for feedback from me.** Thursday and Friday problems can be solved on a word document and shared with me . If you need help, you can send me a message on unified classroom or Class DOJO. Check IREADY for teacher assigned IREADY.



Tasks:	Monday	Tuesday	Wednesday	Thursday	Friday
Learning Activity	MUST DO ***	MUST DO *****		MUST DO	MUST DO

<p>Review of skills from the year</p>	<p>COMPLETE IREADY STANDARDS MASTERY TEST</p> <p>NO PADLET MONDAY AND TUESDAY</p> <p>INSTEAD YOU MUST COMPLETE THE MATH IREADY TEST</p>	<p>COMPLETE IREADY STANDARDS MASTERY TEST</p> <p>NO PADLET MONDAY AND TUESDAY</p> <p>INSTEAD YOU MUST COMPLETE THE MATH IREADY TEST</p>	<p>Solve Worksheet</p> <p>BREAKING APART FIGURES TO FIND VOLUME</p> <p>See attached</p>	<p>LESSON 4 QUIZ</p> <p>Multiplying multi digit whole numbers</p> <p>Problems to solve on a word document. Make sure to put the problem number next to each answer</p> <p>See attached</p> <p>Then share with me</p>	<p>Understand Powers of Ten Worksheet</p> <p>Problems to solve on a word document. Make sure to put the number next to each answer</p> <p>See attached</p> <p>Then share with me</p>
<p>Fluency Practice</p>	<p>Multiplication.com 15 minutes of division or multiplication practice</p>	<p>Multiplication.com 15 minutes of division or multiplication practice</p>	<p>Multiplication.com 15 minutes of division or multiplication practice</p>	<p>Multiplication.com 15 minutes of division or multiplication practice</p>	<p>Multiplication.com 15 minutes of division or multiplication practice</p>



This weeks iReady minutes will be replaced by the Standards Mastery Test.

SpaceX launches first astronauts for NASA on test flight

By Space.com, adapted by Newsela staff on 06.02.20

Word Count **760**

Level **870L**



Image 1. A SpaceX Falcon 9, with NASA astronauts Doug Hurley and Bob Behnken in the Crew Dragon capsule, vents fuel as it prepares to lift off from Pad 39A at the Kennedy Space Center in Cape Canaveral, Florida, May 30, 2020. Photo by: Chris O'Meara/Associated Pressrocket from American soil, a first for a private company. Photo: Chris O'Meara/Associated Press

On May 30, SpaceX made history by launching its Demo-2 mission from the Kennedy Space Center in Florida. It was the first time SpaceX launched astronauts into space. SpaceX is a private American aerospace manufacturer.

Demo-2 was made up of the Falcon 9 rocket and the Crew Dragon capsule. NASA astronauts Bob Behnken and Doug Hurley were inside the capsule. The capsule flew to the International Space Station (ISS).

Demo-2 was supposed to launch on May 27. However, the launch was canceled 20 minutes before liftoff because of bad weather.

More Than 150,000 People Came To Watch Launch

President Donald Trump and Vice President Mike Pence watched the launch at the Kennedy Space Center. NASA discouraged people from traveling to Cape Canaveral because of the coronavirus pandemic. Still, more than 150,000 people came to watch the launch on May 27. Others watched the May 30 launch from inside the Kennedy Space Center Visitor's Complex. The complex had been closed because of the virus but reopened just before the launch.

Demo-2 made history because it was the first time in 10 years that the U.S. sent humans to the ISS. Demo-2 also marks a new age of space exploration. Before, government agencies such as NASA managed space travel. Now, private companies such as SpaceX are sending missions to space.

In 2011, NASA stopped using its space shuttles. Since then, most astronauts have gone to space on Russian spacecraft.



NASA Decides To Use Private Space Companies

In 2010, NASA made the big decision to turn to private space companies. In 2014, NASA paid SpaceX and Boeing to send astronauts to the ISS on six different missions.

Demo-2 is SpaceX's final test. If it passes, NASA will approve Crew Dragon and Falcon 9 for sending humans to space. NASA will begin using SpaceX and Boeing's spacecraft instead of the Russian spacecraft.

Demo-2 took off from Pad 39A. Pad 39A is famous because most of NASA's missions took off from there. This includes the Apollo 11 mission, which took the first humans to the moon.

On May 30, Behnken and Hurley traveled to the pad in style in a Tesla, complete with NASA's old logo. Tesla and SpaceX were both founded by Elon Musk. Teslas are fully electric cars.

Then, the astronauts took an elevator up about 18 stories, where they climbed into the capsule.

Checking The Computer and Abort Systems

Behnken and Hurley checked the capsule's computer systems and turned on Crew Dragon's abort system. It is an important safety feature of the capsule.

Abort systems have been part of human space vehicles since 1986. That year, the space shuttle Challenger broke apart after take off, killing the astronauts inside. Challenger did not have an abort system. An abort system cancels the planned mission. Now, spacecraft have an abort system to help save the astronauts if there is a problem with the spacecraft.

After the systems were checked, the countdown started. When it hit zero, Crew Dragon took off for the ISS.

It took Behnken and Hurley about 19 hours to reach the ISS. During that time, the astronauts tested out Crew Dragon's onboard systems to show NASA that Crew Dragon is ready to take humans to space.

Crew Dragon flies on its own. However, it does have controls for the astronauts to use if they need them. Hurley piloted NASA's last mission to the ISS and will also pilot Crew Dragon during Demo-2.

When he reaches the ISS, Hurley will pick up a small American flag. He and his crewmates left the flag there on NASA's last mission to the ISS. They agreed that the next crew to visit the ISS would bring the flag home.

Astronauts Will Stay Months On The ISS

On the morning of May 31, Behnken and Hurley finally docked on the ISS. They will stay for one to four months.

It has not been decided how long they will stay. SpaceX expects Crew-1 to happen in August. Crew-1 will be Crew Dragon's first NASA-approved mission. If Crew-1 happens in August, Behnken and Hurley will have to leave the ISS sooner to make room for the next mission.

Crew-1 will carry NASA astronauts Victor Glover, Mike Hopkins and Shannon Walker. A Japanese astronaut named Soichi Noguchi will also join the mission.

Quiz

- 1 Read the section "NASA Decides To Use Private Space Companies."
- Select the sentence from the section that shows WHY the Demo-2 launch site is special?
- (A) In 2014, NASA paid SpaceX and Boeing to send astronauts to the ISS on six different missions.
 - (B) If it passes, NASA will approve Crew Dragon and Falcon 9 for sending humans to space.
 - (C) Pad 39A is famous because most of NASA's missions took off from there.
 - (D) Then, the astronauts took an elevator up about 18 stories, where they climbed into the capsule.
- 2 Read the section "Checking The Computer And Abort Systems."
- Which sentence from the section supports the conclusion that SpaceX's rockets are safer than earlier spacecraft?
- (A) Behnken and Hurley checked the capsule's computer systems and turned on Crew Dragon's abort system.
 - (B) Now, spacecraft have an abort system to help save the astronauts if there is a problem with the spacecraft.
 - (C) However, it does have controls for the astronauts to use if they need them.
 - (D) He and his crewmates left the flag there on NASA's last mission to the ISS.
- 3 What is the relationship between Boeing and SpaceX?
- (A) They were both paid by NASA to develop new spacecraft for sending astronauts to the ISS.
 - (B) They are competing against each other to design a new spacecraft for NASA.
 - (C) They were both founded by former NASA astronauts who wanted to return to space.
 - (D) They are working together to design a new International Space Station.
- 4 What effect did the Demo-2 mission have on NASA?
- (A) It allowed NASA to plan for a new mission to the surface of the moon.
 - (B) It helped NASA improve the design of the space shuttle.
 - (C) It allowed NASA to launch astronauts for the first time since 2011.
 - (D) It helped NASA bring U.S. astronauts home from the ISS.

To the Moon and Back

Note: This article was published in 2007. The program described in the article, NASA's Constellation program, is no longer active. This news article has been preserved for historical context.

Astronauts Aim for the Moon-And Beyond

NASA announced plans that are out of this world-literally! The space agency hopes to send humans to the moon again by 2020.

NASA hopes to make a giant leap-back to the moon. Back in 2005, the U.S. space agency announced its plan to send four astronauts to the moon within the next 15 years.



nasa.gov

The new spacecraft is like Apollo, "But bigger."

NASA officials say the moon is just the first step. They hope future missions will take astronauts to Mars and beyond. "We will return to the moon no later than 2020 and extend the human presence across the solar system and beyond," says Michael Griffin, the head of NASA.

So far, the moon is the only place beyond Earth that humans have visited. At 226,000 miles away, the moon is Earth's closest space neighbor.

On July 20, 1969, Neil Armstrong and Edwin "Buzz" Aldrin became the first astronauts to land

on the moon. They traveled there aboard *Apollo 11*. When Armstrong first set foot on the moon, he spoke these famous words: "That's one small step for a man, one giant leap for mankind."

During NASA's *Apollo* program, 12 American astronauts explored the lunar terrain. The last U.S. trip to the moon ended in December 1972.

New Spaceship

The new NASA mission may have the same destination, but the astronauts will have a new way of getting there.

Astronauts who trek to the moon will do their traveling in a crew exploration vehicle—a souped-up version of the three-person *Apollo* capsule that transported explorers to the moon. "It's very Apollo-like," says Griffin, "but bigger."

While on the moon, astronauts hope to demonstrate that they can "live off the land." They will use resources on the moon to produce drinkable water and fuel.

The moon journey would be a trial run for a Mars mission. Astronauts would spend more time on Mars—at least 500 days—because it is 49 million miles from Earth. Because they will be on the planet so long, astronauts will need to be able to sustain themselves using local resources; they will not be able to bring enough supplies for the whole mission.

Split Decisions

Not everyone is over the moon about NASA's plans. The project is estimated to cost \$104 billion. Critics say the price tag is too high, especially because the United States is dealing with a federal budget deficit and the war on terror. A deficit occurs when a sum of money is short of its expected total.

However, supporters insist that space exploration offers enormous long-term benefits to all of humankind and that the United States should not be deterred from this mission. "The space program is a long-term investment in our future," Griffin says.

Name: _____ Date: _____

1. The phrase, "out of this world," means not only "off planet Earth" but also, figuratively,
 - A. on another planet's moon.
 - B. going outside the atmosphere.
 - C. visiting Mars and beyond.
 - D. above and beyond the usual.

2. By using the phrase, "out of this world," the author hints that he/she is:
 - A. frightened about giving up the security of Earth life.
 - B. enthusiastic about NASA's plans.
 - C. suspicious that there won't be enough money to complete the program.
 - D. used to the idea of space travel.

3. The author ended the article with a quote from the head of NASA, stating: "The space program is a long-term investment in our future," This seems to indicate that
 - A. The quote has nothing to do with the rest of the passage.
 - B. The statement is in line with the critics of the program.
 - C. The author wants to stress NASA's optimism about the program.
 - D. the program is unrealistic because the destinations are so far away.

4. In the sentence, "While on the moon, astronauts hope to demonstrate that they can "live off the land," the phrase, "live off the land," means to
 - A. eat only food grown in dirt like Earth's soil.
 - B. support their needs with what is available on-site.
 - C. make their own fuel without digging it up.
 - D. get purified water by collecting it underground.

5. Explain the meaning of: "Not everyone is over the moon about NASA's plans."

Name:

Date:

INFORMATIONAL WRITING GRAPHIC ORGANIZER:

Plan your informative piece by filling out the graphic organizer.

Topic Sentence

Idea 1

Details/Evidence

Idea 2

Details/Evidence

Idea 3

Details/Evidence

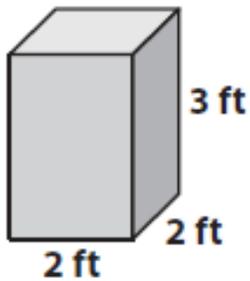
Concluding Sentence

Breaking Apart Figures to Find Volume

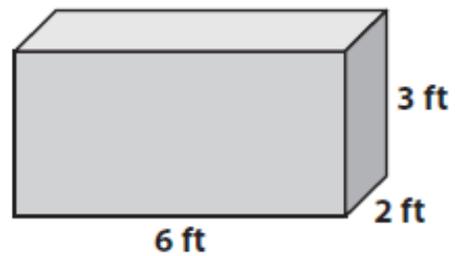
Name: _____

What is the volume of the solid figure?

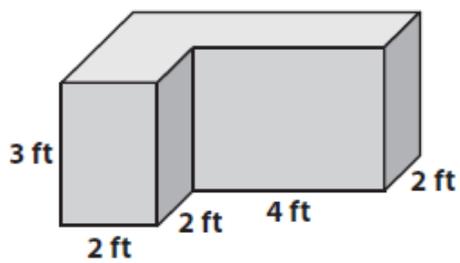
1



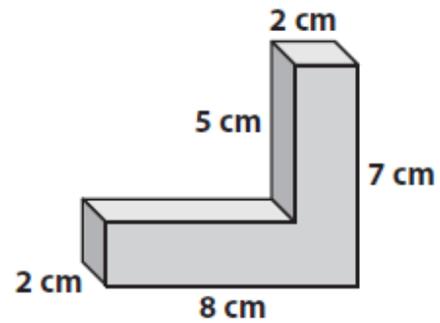
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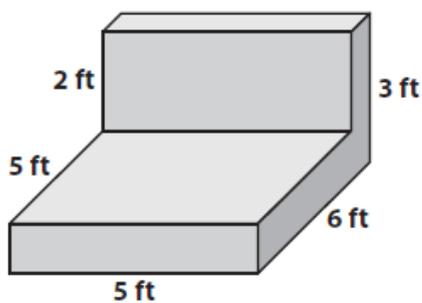
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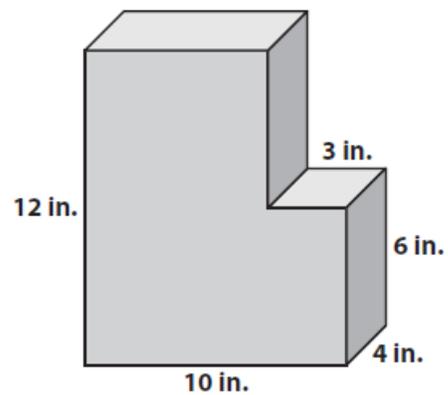
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5



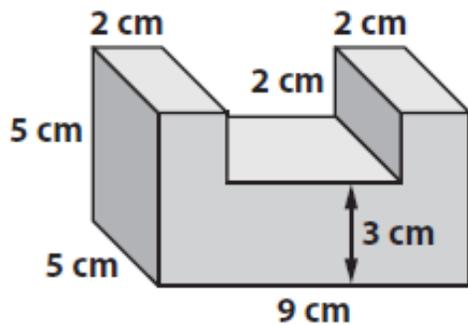
6



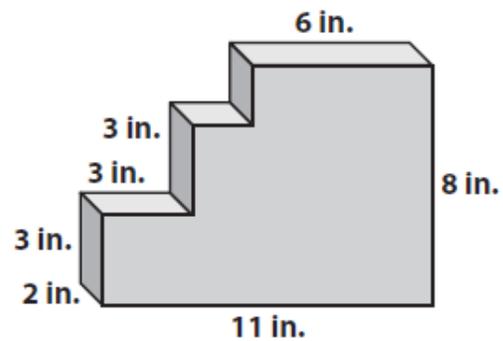
Breaking Apart Figures to Find Volume *continued*

Name: _____

7



8



- 9 What are two different ways to break apart the figure in problem 3 to find its volume?

Lesson 4 Quiz

Solve the problems.

- 1 Jannelle can drive an average of 295 miles on one tank of gas. How many miles can she drive on 16 tanks of gas?

The area model below can be used to solve the problem.

	200	+	90	+	5
10	2,000		900		50
+					
6	1,200		540		30

How many miles can Jannelle drive on 16 tanks of gas?
Show your work.

Solution _____

- 2 Which expressions are equivalent to 647×39 ? Choose all the correct answers.
- A $647 \times (30 + 9)$
- B $(600 \times 39) + (40 \times 39) + (7 \times 39)$
- C $(647 \times 3) + (647 \times 9)$
- D $(600 \times 30) + (600 \times 9) + (40 \times 30) + (40 \times 9) + (7 \times 30) + (7 \times 9)$
- E $(6 \times 30) + (6 \times 9) + (4 \times 30) + (4 \times 9) + (7 \times 30) + (7 \times 9)$



Lesson 4 Quiz continued

- 3 Examine the multiplication problem below.

$$\begin{array}{r}
 ^1 \\
 ^2 ^3 \\
 1,305 \\
 \times 27 \\
 \hline
 9,135 \\
 +26,100 \\
 \hline
 35,235
 \end{array}$$

Which expression shows the numbers that are multiplied to find the partial product 26,100?

- A $7 \times 1,305$ B $27 \times 1,305$
 C $20 \times 1,305$ D $70 \times 1,305$
- 4 A grocery store has 184 shelves for bottled goods. Each shelf can hold 27 bottles. How many bottles will the shelves hold in all? Show your work.

Solution _____

- 5 What is the product? Record your answer on the grid. Then fill in the bubbles.

$$\begin{array}{r}
 1,914 \\
 \times 43 \\
 \hline
 \end{array}$$

•	•	•	•	•	•
0	0	0	0	0	0
1	1	1	1	1	1
2	2	2	2	2	2
3	3	3	3	3	3
4	4	4	4	4	4
5	5	5	5	5	5
6	6	6	6	6	6
7	7	7	7	7	7
8	8	8	8	8	8
9	9	9	9	9	9



Understanding Powers of 10

Name: _____

Multiply or divide.

1 $6 \div 10$

2 $0.6 \div 10$

3 $6 \div 10^2$

4 $0.6 \div 10^2$

5 $6 \div 10^3$

6 $60 \div 10^3$

7 0.3×10

8 0.3×10^2

9 0.3×10^3

10 0.03×10^2

11 0.003×10^2

12 0.03×10^3

13 $72 \div 10$

14 0.72×10^2

15 $7,200 \div 10^3$

16 $20 \div 10^2$

17 0.9×10^3

18 0.001×10^2

19 $54 \div 10$

20 $150 \div 10^3$

21 0.46×10^3

22 What strategies did you use to solve the problems? Explain.