



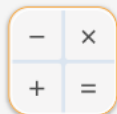
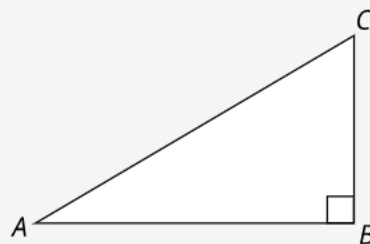
*i-Ready Diagnostic*

Sample Items

High School



In  $\triangle ABC$ ,  $\tan C = \frac{56}{33}$ . What is  $\sin C$ ?

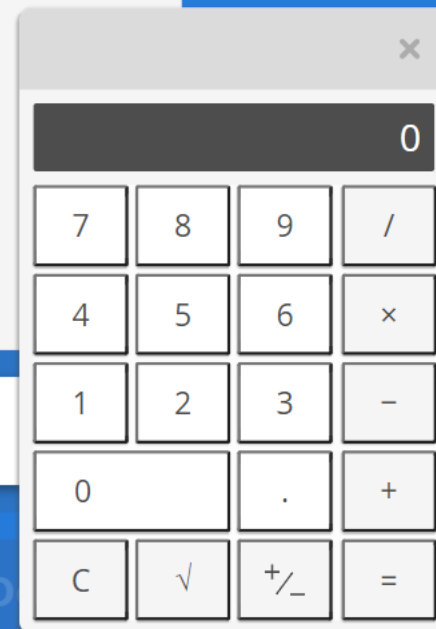


$$\frac{56}{65}$$

$$\frac{56}{89}$$

$$\frac{33}{65}$$

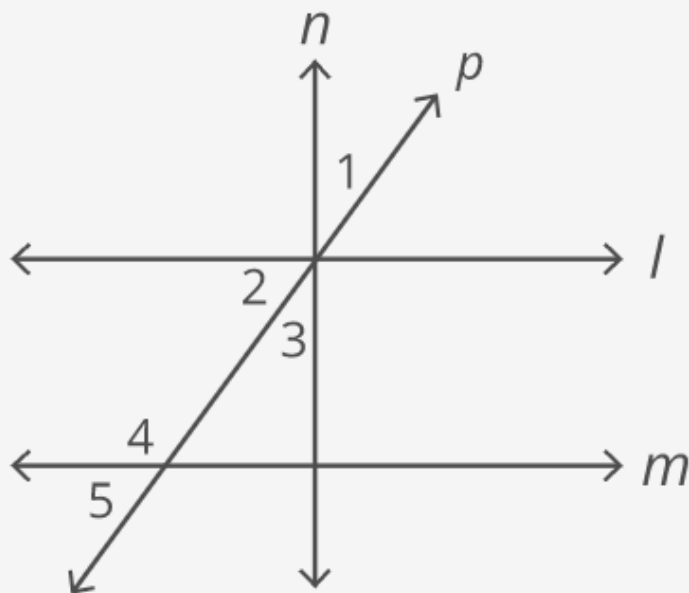
$$\frac{33}{89}$$



My Progress >



In the figure,  $l$  is parallel to  $m$  and  $l$  is perpendicular to  $n$ . Which explains why  $\angle 2 \cong \angle 5$ ?



When two lines intersect at a point, vertical angles are congruent.



When a transversal intersects two parallel lines, corresponding angles are congruent.



When a transversal intersects two parallel lines, alternate interior angles are congruent.



When two lines intersect at a point, adjacent angles are supplementary.



Which equation is equivalent to  $\log_4 y = 2x - 6$ ?

$$y = 4(2x - 6)$$

$$y = 2x^4 - 6$$

$$y = 4^{2x-6}$$

$$y = (2x - 6)^4$$

Done →



Solve the equation for  $x$ .

$$\sqrt{-10x + 31} = 4 - x$$



$$x = -5 \text{ and } x = 3$$



$$x = 3 \text{ and } x = 5$$



$$x = -3 \text{ and } x = 5$$



$$x = -5 \text{ and } x = -3$$

Passage 1

Passage 2

## School Yearbooks

Working on the student yearbook staff is exciting. The yearbook publication contributes to a school's spirit in a unique way by capturing the highlights of a school year. The experience typically begins at the beginning of every school year and ends with a published work, which may be big or small, hardcopy or digital. Students who want to strengthen their cooperative and independent leadership skills should join the team.

However, before joining a yearbook staff, students should understand the level of dedication required. Verifying that their calendars are flexible enough to support the



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Drag ONE phrase to EACH box to compare and contrast each author's point of view in **Passage 1** and **Passage 2** about school publications.

Passage 1

Passage 2

Both

⋮ They build cooperation skills for groups.

⋮ They help improve academic success.

⋮ They lead to awards for taking pictures.

⋮ They require flexibility in attending events.

**Passage 1****Passage 2**

written pieces that may be factual, opinionated, or creative. Students may also get the chance to practice digital media skills. During production, students must acquire and use suitable photos and design page layouts that are pleasing to peer readers. Students also benefit from collaborating, as many students enjoy the sense of teamwork. Reese Cruz, a sophomore staff member, noted, "I feel lucky to be a part of the newspaper staff; we're like a small little family working together for a greater good."

Moreover, working on a school newspaper has an academic ripple effect. In recent research studies, educational experts noted "a positive link between high school journalism and academic achievement." Students engaged

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In **Passage 2**, review the paragraph that begins at the bottom of page 1 and continues on page 2.

Click or tap **ONE** sentence in the paragraph that **BEST** shows how the author appeals to the reader's emotions.

**Passage 1****Passage 2**

## School Yearbooks

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**Passage 1****Passage 2**

time they will spend attending school-related functions is important. Confirming availability outside of regular school hours is necessary since some school functions can occur before or after school, or even on a weekend. Missing any activity can be problematic because it puts the success of the yearbook's development in jeopardy. For example, frequent absences may result in missing information about locations, dates, and attendees. But attendance isn't the only important quality needed. Students should also have enough confidence to be comfortable walking into any classroom or other school environment to take pictures and conduct student or faculty interviews.

In **Passage 1**, reread the paragraph that begins at the bottom of page 1 and ends on page 2. What is the BEST summary of this paragraph?

Interviewing people at school is one responsibility of a yearbook staff member. Students must prepare questions for meetings with others.

Committing to being on the yearbook staff means being present at many school gatherings. Students also need to feel confident in new situations.

Joining the yearbook staff requires going to school activities early in the morning. Students with busy routines have to agree to sacrificing some of their personal plans.

Joining the yearbook staff is an effective way to get involved at school. Students also need to avoid missing school to develop strong bonds with new groups of friends.



Read the dictionary entry and sentence.

**dilemma** (*n*): a usually difficult or unpleasant choice

The new dilemma for the mayor was deciding which of the many city projects to begin working on first.

Which word can replace the word dilemma without changing the meaning of the sentence above?

mission

recommendation

responsibility

complication

## Homecoming

The signal alerting the passengers would not be denied—the pulsing beams of light that filled the entire interior’s circumference was accompanied by an alarm that would rattle even the most tranquil person. Over the public announcement system, the captain explained that the distress signal was coming from the abandoned station that was more than half a century old, but to comply with galactic protocol, his crew was being instructed to send a probe to investigate.

Before the interruption, one of the passengers, a scientist named Lansen, had been debriefing the captain about her work, but now worry veiled her face. Sensing her



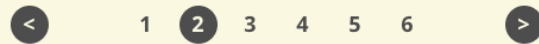
concern, the captain assured her that they would resume their journey to Earth as soon as possible and suggested that she visit the new observation deck to ease her mind.

\* \* \*

When Lansen arrived on the deck, another passenger, a teenager named Gates, was gazing out of the floor-to-ceiling window at a barren red planet, the source of the signal. Gates spoke to her, asking, “Will this be your first visit to Earth?”

“Yes. You?”

“Mine, too—I’m from the Betelgeuse cluster,” said Gates. “Do you think it’s true what they say: we miss Earth even if we’ve never



been there—like we’re homesick for a place we’ve never been?”

“I’m not sure,” said Lansen, who then decided to ask Gates if he was interested in seeing what helped her feel connected to Earth.

“They’re heirloom plants,” said Lansen as they observed the tiny spirals, “raised from seeds that grew decades ago on Earth.”

“And you’re bringing them back?”

“Yes, my team’s objective is to return the historic plants, the ones that used to grow there naturally, to Earth.”

“So, it’ll be a homecoming for them, too,” said Gates.



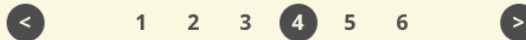
“Yes, if they survive the trip... they’re very fragile—that’s why this delay worries me, I—”

The sound of an incoming message interrupted her—the probe had found something; an expedition to the crimson surface was underway, and Lansen’s scientific expertise was needed.

\* \* \*

Behind them, the airlock hissed shut and the captain directed them to remove their respirators.

Instantaneously, Lansen inhaled, and she could feel her curiosity awakening, but in that same moment the lights came on, and she saw them—plants! Thousands of them, filling



Review the underlined sentences on pages 2–4.

Click or tap TWO sentences that show how Lansen’s plan to replenish Earth with native plants reveals conflict in the story.

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What can the reader infer about the captain based on his suggestion that Lansen visit the observation deck?

The captain wants to prepare an escape route for the ship’s passengers and needs to have more time to plan.

The captain is overwhelmed by Lansen’s discussion about her work and wants to privately review her research.

The captain feels hopeful that Lansen’s work will improve the current atmosphere in this newer area of the ship.

The captain is confident that the widespread warnings do not present a serious threat to the passengers’ safety.



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Drag to the boxes ONE example of descriptive language and ONE conclusion that can be drawn from the example.

Descriptive Language

Conclusion

⋮ "rattle even the most tranquil person"

⋮ "the probe had found something"

⋮ New signs of life exist.

⋮ The alarm is upsetting.

I had met Mrs. Myung, my mechanical mentor, during the summer of my freshmen year, after my family had moved to the mainland from Lanai, one of Hawaii's smaller islands. With every intention of discovering all there was to know about my new neighborhood, I had ventured out about a block when I came upon a food truck tucked just inside the corner of a mechanic's lot. Hungry from unpacking mountains of boxes, I walked over and bought a small sampler plate from the truck, eager to try the local cuisine. "New around here?" Mrs. Myung had asked, strolling out of the garage.

With a full mouth, I'd nodded yes and soon explained my family's move, to which Mrs. Myung revealed that she had spent most of her childhood in Hawaii, too.



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Reread page 3. Drag to the box ONE statement from below that explains how the author develops the plot in this part of the story.

#### How the Author Develops the Plot



Foreshadowing hints that the food truck will be open for business.



Dramatic irony makes readers aware of a connection between the characters.



Flashback reveals a memory that involves the characters.



Chronological order separates one high school year from another.



Suspense suggests that some details are hidden from readers.

That was three summers ago, and I had been working diligently since then to ensure that my project would be ready by the first week of school my senior year, granting me time to get approval from the city's transportation department and the school's administrators.

Now with the body complete, state-of-the-art seatbelts from a newer car model installed, and oversized mirrors and barely used tires in place, I would be providing qualified juniors and seniors at my high school with the opportunity to have free drivers' lessons in a safe and functional vehicle that I had built from the ground up. I had even spruced up the dashboard with a bumper sticker that read "Don't Text and Drive—Stay Safe and Wait!" The only thing missing in order to have



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the engine purring like a kitten was one more properly sized piston.

It was past noon when I heard the sputter of Mr. Jenkins's tow truck pull up lugging an abandoned car. Once he released the car, I popped open the hood and quickly began disassembling, hoping to locate the last part I needed, and lo and behold, there it was!

I had managed to potentially improve the trajectory of transportation efforts at Washington High for every upper-class student moving forward, and I felt good about the changes that were sure to come.



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Reread pages 4 and 5.

Click or tap TWO underlined sentences that BEST develop the theme that determination and patience can lead to rewarding experiences.



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What is the meaning of “trajectory” as it is used on page 5?

popularity

expected direction

satisfaction rating

availability

*This story excerpt features a young woman, Lucy, who travels through Italy with Charlotte Bartlett, her older cousin and chaperone. Their relationship has been strained by the events of their trip.*

## **from *A Room with a View***

by E. M. Forster

... They began to sort their clothes for packing, for there was no time to lose, if they were to catch the train to Rome. Lucy, when admonished, began to move to and fro between the rooms, more conscious of the discomforts of packing by candlelight than of a subtler ill. Charlotte, who was practical without ability, knelt by the side of an empty trunk, vainly endeavouring to pave it with

Which statement BEST describes how two themes interact in the passage?

Lucy's need to love Charlotte is contrasted with feeling defensive toward her.

Lucy's excitement about traveling is contrasted with her feelings of loneliness.

Charlotte's fear of being blamed subsides when Lucy embraces her.

Charlotte's need for forgiveness increases when Lucy refuses to offer it.

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"But no—"

Miss Bartlett assumed her favourite role, that of the prematurely aged martyr.

"Ah, but yes! I feel that our tour together is hardly the success I had hoped. I might have known it would not do. You want someone younger and stronger and more in sympathy with you. I am too uninteresting and old-fashioned—only fit to pack and unpack your things."...

"You mustn't say these things," said Lucy softly.

She still clung to the hope that she and Charlotte loved each other, heart and soul. They continued to pack in silence. ...

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What is the effect of the underlined sentence on page 4?

It suggests that Charlotte has been tormenting Lucy because Charlotte resents her.

It reveals that Charlotte is manipulating Lucy because she wants her sympathy.

It implies that Charlotte and Lucy's relationship might improve over time.

It foreshadows that Charlotte and Lucy's trip will end earlier than expected.