Grade 10 C-9 "The Mooring Mast"

Based on the excerpt, describe the obstacles the builders of the Empire State Building faced in attempting to allow dirigibles to dock there. Support your answer with relevant and specific information from the excerpt.

Scoring Guide

Score	Description
4	The response is a clear, complete, and accurate description of the obstacles the builders of the Empire State Building faced in attempting to allow dirigibles to dock there. The response includes relevant and specific information from the excerpt.
3	The response is a mostly clear, complete, and accurate description of the obstacles the builders of the Empire State Building faced in attempting to allow dirigibles to dock there. The response includes relevant but often general information from the excerpt.
2	The response is a partial description of the obstacles the builders of the Empire State Building faced in attempting to allow dirigibles to dock there. The response includes limited information from the excerpt and may include misinterpretations.
1	The response is a minimal description of the obstacles the builders of the Empire State Building faced in attempting to allow dirigibles to dock there. The response includes little or no information from the excerpt and may include misinterpretations. OR The response relates minimally to the task.
0	The response is totally incorrect or irrelevant, or contains insufficient evidence to demonstrate comprehension.
Blank	No response.

Scoring Notes

The obstacles to dirigible docking include:

- Building a mast on top of the building
- Meeting with engineers and dirigible engineers
- Transmitting the stress of the dirigible all the way down the building; the frame had to be shored up to the tune of \$60,000
- Housing the winches and other docking equipment
- Dealing with flammable gases
- Handling the violent air currents at the top of the building
- Confronting laws banning airships from the area
- Getting close enough to the building without puncturing

Other explanations will be accepted if supported by relevant evidence from the text.

Annotation:

The builders of the Empire State Building faced many obstacles in attempting to allow dirigibles to dock there. One was that the mooring mast which needed to be constructed on the building in order for docking to be possible would cause the structure of the Empire State Building to "Howe to be modified and strengthened to accompodate this new situation" (Justed: paragrapha). This is an obstacle that cost money and time inwitte. Another obstacle the builders faced was that "The winds on top of the building were constantly shifting due to violent air currents" (Lusted; paragraph 14). This problem was one that was never truly fixed and is a main reason why a dirigible never successfully docked at the Empire State Building. A third obstade that the builders faced was that their was a law against dirigibles approaching low altitudes over populated areas. As stated in the passage, there was a "Law against airships flying too low ever urban areas" that would make it "Illegal for an airship to ever the up to the building" (Lusted; paragraph 14). Lastly, the builders of the Empire State Building had to face the obstacle that there was a safetyety issue with attempting to land enormous combustable ships over New York, a highly populated city. This is described in the passage by the fact that "Most dirigibles from outside the United States used hydrogen rather than holium, and hydrogen is highly flamable "Lusted; paragraph 13).

Annotation:

Contract: 1116 Reading

excerpt from The Mooring Marcia Anidon Lusted, there are many obstacles builders of the Empre State Building faced during attempt to allow dirigibles to dock there. realized that, " A thousand-foot top of the building, held by a single cable tether, add stress to the buildings frame." The Building would not be stable enough to dirigible docked at the top. The second is that even if they were to find a stable Way moor the dirigible, the wind would blow it the place. There is no practical nor safe" down the dirigible. Lastly, most foriegn dirigibles used hydrogen rather than helium which was a problem because hydrogen is highly flammable. If cotch fire while moored to the Empire Building, above a densely populated area, the catastrophic. In conclusion, the mooring dirigibles at the top of the a bad decision from the beginning because of the many obstacles

Contract: 1116 Reading Booklet: 2050018048 Page: 1 of 1 Score: A3+ RespCode: RD04036

Annotation:

In the except flow "The Mooring Mast" by Marcia Amidon Custed there are many obstacts the builders faced to allow dingibles to dock on the Empire State Building. Mos be dirigible to Iseep spinning because 1000 feet is too close to the ground ly over an urban area especially

3A

Contract: 1116 Reading

Booklet: 2050041104

Annotation:

Amidon Lusted, the builders of the Empire State Building experienced obstacles in attempting to allow dirgibles to dock there. problems was safety. Some dirigibles from outside the U.S. use hydrogen, not helium, w highly flamable and would not In New York City. Another problem that was experienced was the winds on the buildings always changed so the dirigibles would bump into eachother and possibly break. Last, there is a law stating airships can not too low over urban areas. This would ship to dock at the These are reasons in the excerpt from. The Mooring Mast the builders of the State Building experienced obsticles in to allow dirgibles to dark

Contract: 1116 Reading Booklet: 2050034491 Page: 1 of 1 Score: A3- RespCode: RD04036

Annotation:

36. The builders of the Empire State Building faced many
obstacles in allowing the dirigibles to dock there, One of
these poderns now being able to keep the building stabile.
The author writes, "A thousand foot dirigible meared at the top
of the building held by a single cable tether, nould add stress to the building's frame, "They needed to be able to support
to the building's frame," They needed to be able to support
the building, because if it collapsed it would be deverything.
Another obstacle that the builders faced was Keeping
the pedestrians safe. The dirigibles hould be weighted down,
but the author writes," they would be dangling high above
pedestrians on the street. "This would be very dangerous
because if it were to fell it would cause very
much damage and kill many people, the builders faced this
Challenge Lecause there would be no other way to land
the dirigibles,

Annotation:

36. The Obstacles the builders for	ed were how to put the
Mast on, Nature, and how they did	
equipment. The builders could not	
the top. It would create stress on the	
haffen. They had to modify the frame	of the building so it
Could withstand the dirigide. Nature at	so caused problems. When
the dirigible was tied down, it would sh	if around the most, making
it unsafe to deek. Towards the en	d of the project, the
builders Could not install the moor.	ng equipment in time.
Irving Clavan of the building's are	hiteethal office Soid that
they would install the landing gear lo	ter. They never did and
the idea went away.	

2A

Contract: 1116 Reading

Annotation:

Even with this great idea of docking dirgibles to the rook of The Empire State Buildag There come some obstacles. For example in paragrab 9 it says, "A thousand-foot dirigible mooret at the top of the building held by a single cable terrer, would add stress to the building's frame. That means that it would rip part of the builder off because it would not be stable. Another problem would be in pairing raph 14 it sors, "... The back of the Shop servel around and around the moorey mast. Which states that They need to secure the back of it is unsafe for people to boord

Booklet: 2050028057

Contract: 1116 Reading Booklet: 2050001720 Page: 1 of 1 Score: A2- RespCode: RD04036

Annotation:

and The builders faced many obsticles when Trying to allow distibles todock at The Empire State building. One of the main Coasons was docking would had Stress to the buildings frame." So they would have to find a way to send the stress eleventhy of feel down to the foundation. Also it is illegal for air ships to filly That low.	
when trying to allow disigibles todock GT The Empire State building. One of The main Ceasons was docking would Ladd SITESS to the building S Grame." So They would have to Find away To send The SiTess eleven hundred feet down to the foundation. Also it is illegal for air ships	36. The builders faced many obsticles
The main reasons was docking would the main reasons was docking would the stress to the buildings frame." So they would have to find away to send The sitess eleven hundred feet down to the foundation. Also it is illegal for air ships	
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To send The Sitess eleventhandred feet down to the foundation. Also it is illegal for gir ships	Ladd STress to the building 5 Grame "
Feet down to the foundation. Also it is illegal for gir ships	
FEET down to The foundation. Also it is illegal for gio ships	To send The sitess elevenhandred
Also it is illegal for gio ships	The state of the s
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Contract: 1116 Reading Booklet: 2050028384 Page: 1 of 1 Score: A1+ RespCode: RD04036

Annotation:

36.	
	Allowing the dirigibles to dock on the top of the Empire State Building was a big mistake. The Empire State Building wasted to show it was the best and could handle anothing. The stand was ver small to dock it on , heavy whole would make it move from side to side, also the blings were very flammable
	also so could cause a very bad accident.

1A

Contract: 1116 Reading Booklet: 2050083941 Page: 1 of 1 Score: A1. RespCode: RD04036

Annotation:

GP Pr a	The obsticles were the stress the dirigible's I sad and the wind essure would have to be transmitted II the way to the building's foundard of Something about the steel frame of 60 thousand dollars.	

Contract: 1116 Reading Booklet: 2050033893 Page: 1 of 1 Score: A1- RespCode: RD04036

Annotation:

to find away to build the most at the top of the building	
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Contract: 1116 Reading Booklet: 2050055118 Page: 1 of 1 Score: A0. RespCode: RD04036

Annotation:

bilding was for p	botacles - had for exple to be ere to re	transpo	to dock	there of they
let paser	gers on of	roff.	Service	9/10/10