

FINAL ACTIVITY ANSWER KEY

Congratulations on completing the Houston Texans Stats Challenge presented by Schlumberger! There's just one activity left and this one is for a chance to win prizes!

Teachers and parents, please see contest rules for specific information on how your students could win prizes.

Write a letter to your favorite member of the Houston Texans organization about your experience with the Houston Texans Stats Challenge. In your letter include an explanation of the mathematics you learned and a description of how the Stats Challenge impacted your learning. In your explanation remember to show your understanding of the mathematical concepts and use correct mathematical vocabulary and notation.

Your letter will be graded by your teacher using the following rubric. Use the rubric to guide your writing and make any revisions necessary before submitting your letter.

CATEGORY	EXPERT	PROFICIENT	DEVELOPING	NOVICE
Mathematical Concepts	The explanation shows complete understanding of the mathematics in the challenge. 50 POINTS	The explanation shows understanding of most of the mathematics in the challenge. 40 POINTS	The explanation shows some understanding of the mathematics in the challenge. 30 POINTS	The explanation shows limited understanding of the mathematics in the challenge. 20 POINTS
Mathematical Vocabulary and Notation	Accurate vocabulary and notation are used throughout the explanation. 16 POINTS	Accurate vocabulary and notation are used in most of the explanation. 12 POINTS	Accurate vocabulary and notation are sometimes used in the explanation. 8 POINTS	Accurate vocabulary and notation are rarely used in the explanation. 4 POINTS
Mathematical Exploration	The explanation is detailed and clear. 16 POINTS	The explanation is clear and has some details. 12 POINTS	The explanation includes some details and is not clear. 8 POINTS	The explanation includes few or no details and is not clear. 4 POINTS
Ideas	The ideas expressed are clear and organized. The letter is easy to follow and makes a clear point. 10 POINTS	The ideas expressed are clear. The letter has some organization to the ideas. 8 POINTS	The ideas expressed are not fully developed. The letter was difficult to follow and would benefit from more organization. 6 POINTS	The ideas are not clear and are unorganized. The letter was difficult to follow. 4 POINTS
Letter Format	The letter includes a salutation, a closing, and is written using well-constructed paragraphs and complete sentences of varied structure. 8 POINTS	The letter includes a salutation, a closing, and is written using paragraphs and complete sentences. 6 POINTS	The letter is missing a salutation or a closing. Most sentences are complete. Paragraphing needs some work. 4 POINTS	The letter is missing a salutation and a closing. Few sentences are complete. Paragraphing is not evident. 2 POINTS