

Name: _____

Class: _____

Technological Advancements and Improved Quarterback Play

GRADES 6-8

Picking up the football: Put a check-mark if you were successful at picking up the ball with one hand.

	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	P
No Gloves											
Gloves											

Pass completion: Put a check-mark if you and your partner completed a successful pass.

	T1	T2	T3	T4	T5	T6	T7	T8	T9	T10	P
No Gloves											
Gloves											

QUESTIONS:

1. What is your completion rate (percentage) for passes without gloves? With gloves?
2. Do you feel like players have an advantage when they wear gloves while playing?
3. Using your probability, how many passes would you and your partner complete, if you were using gloves, in a season? (The average number of passes in the 2018 NFL season was 552 or 34.5 attempts per game).
4. What are some arguments you could make against players wearing gloves?
5. Sometimes, in cold weather, quarterbacks wear gloves on their throwing hand. What advantages/ disadvantages does the quarterback have?
6. What other on-field football equipment improvements have had major impacts on the game?

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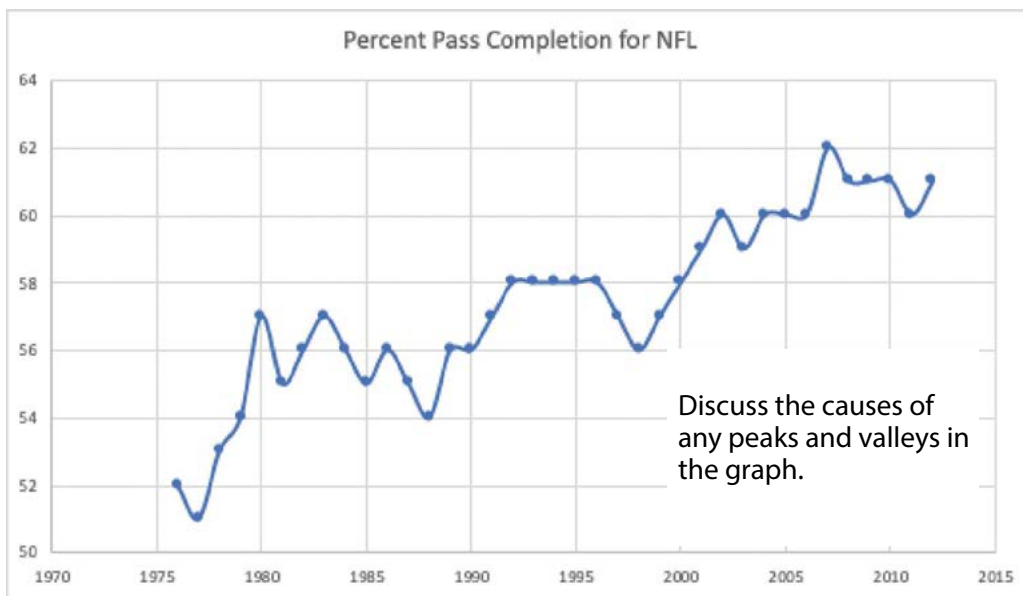
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1. Review and graph the data: www.stemsports.com/nfl_data-set or visit www.STEMSports.com "Resources", then "STEM Football". Based on your graph, discuss and answer the following:
2. Discuss the causes of any peaks and valleys in the graph.
3. What trends do you notice?
4. Using the graph and data, when do you think glove technology was mainstream? Support your answer using evidence.

Review the graph and answer the below questions:



What trends do you notice?

Using the graph and data, when did you think glove technology was mainstream? Support your answer using evidence.