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**Kid Scoop Together:**  
**FRIDAY NIGHT FOOTBALL**

Work with a parent to solve these challenging word problems based on a high school football game.

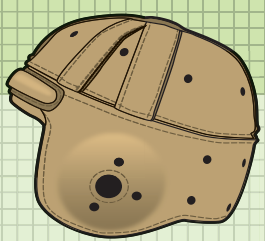
**STEM IN SPORTS**

People have used advances in science and math to make sports safer for athletes. Science, technology, engineering and math are known as **STEM** – and **STEM** has a big impact on every sport that's played.

**Play It Safe: Helmet History**

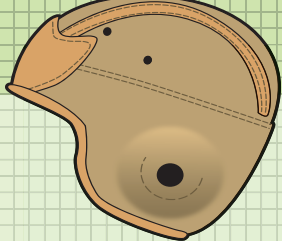
by Kid Scoop Student Reporter, Murphy Roberts

**ARE YOU A KEEN OBSERVER?** STEM careers require an eye for details. Read about the evolution of football helmets and answer the questions at right.



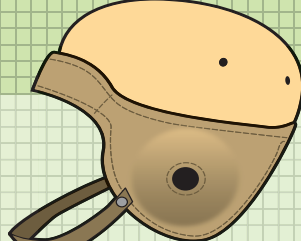
**1920s**

The first helmets were merely soft leather coverings that were meant primarily to protect the ears.



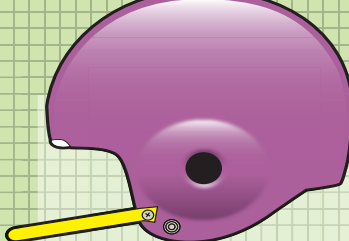
**1930s**

In 1939, the John T. Riddell Company of Chicago introduced the first all-plastic football helmet.



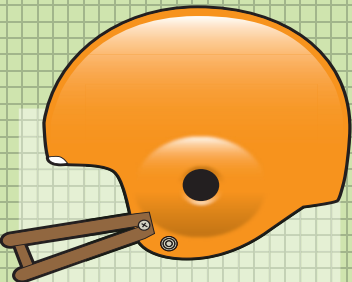
**1940s**

Soft leather head coverings became hard leather helmets. Chin straps and decorations were added. Helmets became mandatory for NFL players.



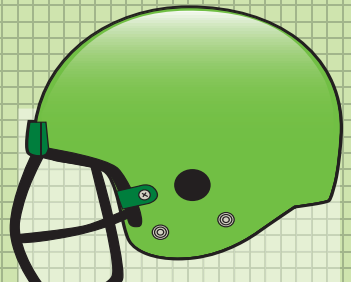
**1950s**

A single face bar was added to plastic helmets. In 1956, a radio helmet was introduced which allowed coaches to communicate with players on the field.



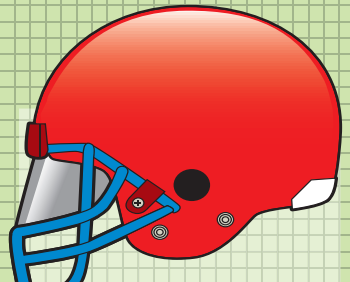
**1960s**

Helmets and double bar face masks were introduced. All players in the NFL wore face masks.



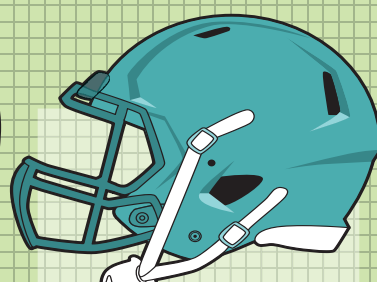
**1970s**

Riddell introduced a helmet with an air bladder inside the helmet to absorb energy and soften the impact of a hit on the head.



**1980s - 1990s**

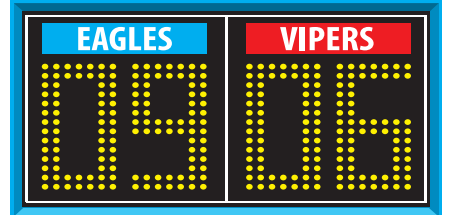
First polycarbonate helmets and protective visors were added. In 1998, the NFL required visors to be transparent.



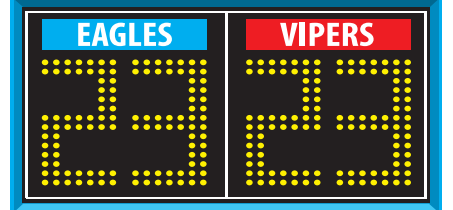
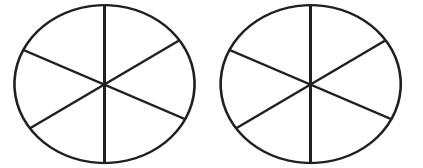
**TODAY**

With improved face masks, cushioning against impact and chin straps, helmets are now designed to reduce concussions.

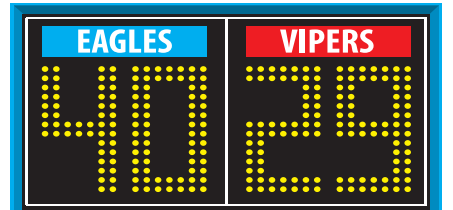
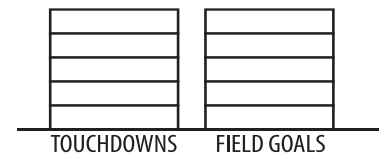
1. An air bladder inside a helmet softens the impact of a hit on the head.  
 TRUE  
 FALSE
2. The first football helmets were made of cotton.  
 TRUE  
 FALSE
3. A radio in the helmet helps a coach communicate with players in the locker room.  
 TRUE  
 FALSE
4. Today, the NFL requires visors to be transparent.  
 TRUE  
 FALSE
5. The first football head coverings were designed to simply protect a player's ears.  
 TRUE  
 FALSE



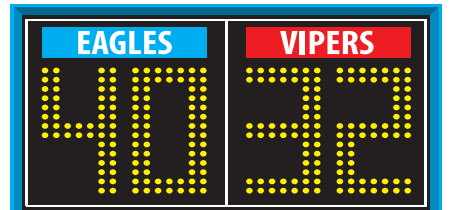
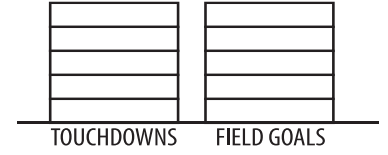
A field goal kick is worth three points. In the first quarter, each team made six field goal attempts. Color the pie chart below to show the fraction scored by each team.



At halftime, the game was tied when the Eagles scored back-to-back touchdowns worth 7 points each. Color the bar graph to show how many touchdowns vs. field goals the Eagles earned.



In the third quarter, the Eagles took the lead. Color the bar chart to show how they reached 40 points.



This was the score with two minutes left in the fourth quarter. If the Vipers are able to score another touchdown and a field goal, what would the final score of the game be?

**WHO WON THE GAME?**

The Number Crunchers and the Ready Readers both played their best. The score was close! Add up the numbers on the jerseys for each team. Write the winning score on the large football jersey.

	1ST QUARTER	2ND QUARTER	3RD QUARTER	4TH QUARTER	WINNING SCORE:
<b>NUMBER CRUNCHERS</b>	7	10	14	10	
<b>READY READERS</b>	21	3	6	7	

**Extra! Extra!**

**FOOTBALL GEOGRAPHY**

Select a team that is mentioned in today's sports section. Where did the team play its most recent game? Find the location on a map. How many miles away from your home did the team play?

**Standards Link:** Research. Use the newspaper to locate information.

**Kid Scoop Puzzler**

Each football has a match. Draw a line from each football helmet with a math problem to the helmet with the answer.

17 + 3	21 - 7	31 - 6	10
34	20	41 - 7	18 + 6
14	19 - 9	24	25

**Standards Link:** Number Sense: Calculate sums to 50.

**Double Double Word Search**

- ABSORB
- HELMET
- JERSEYS
- EARS
- GAME
- HIT
- PLAYED
- PROTECT
- FACE
- RADIO
- BAR
- COACH
- HEAD
- ADD
- ROOM

Find the words in the puzzle. Then look for each word in this week's Kid Scoop stories and activities.

N	P	S	S	B	E	W	H	F	J
O	R	P	R	M	A	D	C	V	P
D	O	J	A	Q	D	R	A	H	T
E	T	G	E	A	B	F	O	E	E
Y	E	H	Y	R	M	A	C	A	M
A	C	N	O	A	S	C	T	D	L
L	T	S	R	D	A	E	B	I	E
P	B	E	W	I	J	S	Y	D	H
A	J	M	O	O	R	K	G	S	J

**Standards Link:** Letter sequencing. Recognized identical words. Skim and scan reading. Recall spelling patterns.

**Kid Scoop VOCABULARY BUILDERS**

This week's word: **IMPACT**

The noun **impact** means forceful contact with another object.

The **impact** of the falling tree destroyed our fence.

Try to use the word **impact** in a sentence today when talking with your friends and family members.

**FROM THE LESSON LIBRARY**

**Football Frames**

Cut out pictures of football games from the newspaper. What is not seen in the picture? Would the picture create a different feeling if they showed something that is now not seen?

**Standards Link:** Research: Use the newspaper to locate information.

The Atlantic and Pacific oceans had a football game. Who won?



ANSWER: They tide.

**Write On! Fastest Ever!**

Write about a fast machine or a fast animal. Include three facts and one opinion.

**CHAD E. CLEMENT, D.D.S., P.C.**

*A child's first dental visit should be for fun and education.*

**Dr. Chad Clement 541-997-3423**  
1256 Bay St. Old Town Florence

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