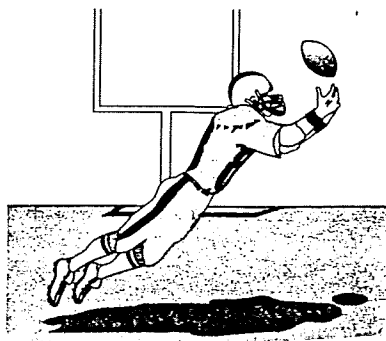


Algebra I

3.1 Activity



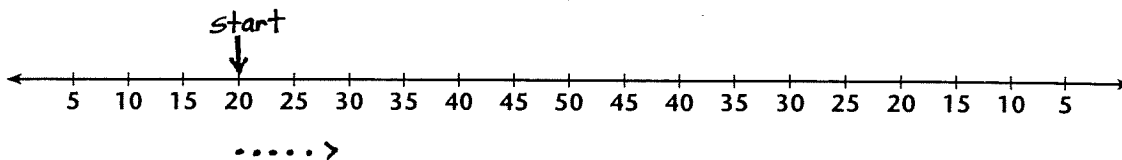
NAME: _____
 DATE: _____ HOUR: _____

Each time a team has the ball, it is given four chances, or downs, to gain a minimum of 10 yards. Each time this is accomplished it is called a first down and the team gets four more chances to make a first down.

During the Warriors' first possession, the quarterback began the first set of downs at their own 20 yard line. He completed a pass for five yards. On the next play, the quarterback was sacked and lost 7 yards. On the third down of the series, the quarterback handed the ball to a running back who gained 8 yards.

Play	Yards
1	+5
2	-7
3	+8

1. Model the first set of downs on a number line.



2. On what yard line is the ball? _____

3. How many yards do they need to make the first down? _____
 (to the 30 yard line)

over

The chart shows what transpired during the Warriors' first scoring drive.
 Note: A penalty against the Warriors is a loss of the indicated yardage and a penalty against the opponent is a gain for the Warriors.

Play of the Drive	Yardage	Penalties Against Warriors	Penalties Against Opponent
1	+8	-10	
2	+4		+5
3	+10		
4	-2		
5	+16	-5	
6	-9		+5
7	+3		
8	+7	-5	
9	+22		
10	-3		+15

4. Calculate the total yards the Warriors moved the ball during this scoring drive. _____

5. Look at the diagram of the football field. If they ended at the goal line, on what yard line did the Warriors begin the scoring drive? _____