



PRESENTED BY 

ORDERING RATIONAL NUMBERS

EXTENDED LEARNING

1. The Houston Texans Draft Class demonstrated their abilities at the NFL Combine. The players' times for the 40-yard dash are listed in the table.

| PLAYER | TIME (SECONDS) |
|----------|----------------|
| Player 1 | 4.37 |
| Player 2 | 5.24 |
| Player 3 | 4.43 |
| Player 4 | 4.59 |
| Player 5 | 4.44 |

Place the players in order from fastest to slowest.

Player 1
Player 3
Player 5
Player 4
Player 2

2. The Ball Possession and Drive Chart includes the number of yards gained for each ball possession. In a game the Houston Texans played against the Detroit Lions, the yards gained for each play are listed below. If yards were lost during a play, the number is recorded as a negative number.

| POSSESSION | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|--------------|----|----|----|----|----|----|----|----|----|----|----|----|
| YARDS GAINED | 66 | -8 | 52 | 94 | 52 | 70 | 40 | 72 | -1 | 34 | 9 | -3 |

Order the number of yards gained from greatest to least.

94, 72, 70, 66, 52, 52, 40, 34, 9, -1, -3, -8



The Stats Challenge curriculum was developed by educators at Region 4 in conjunction with the Houston Texans

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3. Each game, the average number of yards gained for pass receiving is reported for all players. If yards are lost during a play, the number is recorded as a negative number. The table lists the average number of yards gained for the Houston Texans in a game versus the New York Jets at NRG Stadium.

| PLAYER | AVERAGE YARDS GAINED |
|----------|----------------------|
| Player 1 | 15.0 |
| Player 2 | -9.0 |
| Player 3 | 0.0 |
| Player 4 | 7.7 |
| Player 5 | -4.0 |
| Player 6 | 14.0 |
| Player 7 | 7.6 |

Order the average number of yards gained from least to greatest.

-4.0, -9.0, 0.0, 7.6, 7.7, 14.0, 15.0

ENRICHMENT

The Ball Possession and Drive Chart also includes the net yards that the team has gained or lost at the end of each possession. Study the chart on one of the stats sheets. How is the net yards value different than the yards gain value? Which possession had the greatest net gain of yards? Which possession had the least net gain of yards?

TERMINOLOGY

Each February, hundreds of the very best college football players are invited to the NFL Scouting Combine, where executives, coaches, scouts, and doctors from all 32 NFL teams conduct an intense, four-day job interview with physical and mental tests in advance of the NFL draft



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