

Name \_\_\_\_\_ Date \_\_\_\_\_

### Description of Investigation and Student Report

#### Be an Investigator

The editor of a magazine is doing an article on the Indy 500, the 500-mile racecar event that takes place in Indianapolis every Memorial Day weekend. The editor would like to include in the article the time and speed for each winner from 1990 on. The editor has found a table that gives the time of each winner from 1990 on and would like your help calculating the winning speed to the nearest thousandth of a mile per hour.

#### Information

**Indy 500 Winners**

Year	Winner	Time Converted to Decimal
1990	Arie Luyendyk	2.686
1991	Rick Mears	2.833
1992	Al Unser, Jr.	3.718
1993	Emerson Fittipaldi	3.175
1994	Al Unser, Jr.	3.105
1995	Jacques Villeneuve	3.253
1996	Buddy Lazier	3.374
1997	Arie Luyendyk	3.424
1998	Eddie Cheever, Jr.	3.440
1999	Kenny Brack	3.264
2000	Juan Montoya	2.977
2001	Helio Castroneves	3.526
2002	Helio Castroneves	3.002
2003	Gil de Ferran	3.193

Name \_\_\_\_\_ Date \_\_\_\_\_

### Be an Investigator Student Report

I found the following speeds for the Indy 500 winners from 1990 on.

Year	Winner	Time Converted to Decimal	Speed (mph)
1990	Arie Luyendyk	2.686	
1991	Rick Mears	2.833	
1992	Al Unser, Jr.	3.718	
1993	Emerson Fittipaldi	3.175	
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