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| **Subject:** | Math |  |
| **Title:** | Home Team Attendance |  |
| **Grade Level:** | 6 |  |
| **Purpose:** | * Students use estimation strategies and number sense to estimate the attendance of a National Hockey League team in a Canadian hockey market (Calgary, Edmonton, Winnipeg, Vancouver, Toronto, Ottawa and Montreal). |  |
| **Curricular**  **Connections:** | * Demonstrate an understanding of factors and multiples. * Solve problems using multiplication strategies. * Use estimation strategies such as: front-end rounding, compensation, compatible numbers in problem-solving contexts. |  |
| **Materials:** | * ‘Home Team Attendance’ handout. * Technology for research (Chrome Books, Ipads, Computer Lab etc.) |  |
| **Activity:** | 1. Review estimation strategies such as front-end rounding, compensation, compatible numbers etc. 2. Hand out “Home Team Attendance” and have technology available. 3. In partners, students research the capacity of a Canadian NHL arena. 4. They write down the capacity of the arena they researched and the number of home games played during a regular season (41). 5. Students use these numbers and estimation strategies to figure out how many people attend NHL games (their team of choice) during a regular season. 6. Students complete “Home Team Attendance” using 3 different estimation strategies and multiplication for actual attendance. |  |
| **Extension:** | * Students write down which estimation strategy was closest to the actual attendance during the regular season and why. |  |
| **Assessment:** | * Hand in “Home Team Attendance” worksheet. |  |

Home Team Attendance

City/Team \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Capacity \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Number of home games \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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| Estimation Strategy | Show your work |
| 1. |  |
| 2. |  |
| 3. |  |

Actual Attendance: