|  |  |
| --- | --- |
| **Subject:** | Math |
| **Title:** | Home Team Attendance |
| **Grade Level:** | 5 |
| **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:** | * Use estimation strategies such as: front-end rounding, compensation, compatible numbers in problem-solving contexts.
* Represent and describe whole numbers to 1,000,000.
* Apply mental math strategies for multiplication.
 |
| **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.
 |
| **Extension:** | * Students write down which estimation strategy was closest to the actual attendance during the regular season and why.
* Students use multiplication strategies to find the actual attendance.
 |
| **Assessment:** | * Hand in “Home Team Attendance” worksheet.
 |

Home Team Attendance

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

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

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

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