**4.0 Is it a Ball or Strike?**

**GRADES 3rd-5th**

***Explore*: Place an “X” for a strike and a “O” for a ball.**

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| --- | --- | --- | --- | --- | --- |
|  | **Pitch 1** | **Pitch 2** | **Pitch 3** | **Pitch 4** | **Pitch 5** |
| **Player 1** |  |  |  |  |  |
| **Player 2** |  |  |  |  |  |
| **Player 3** |  |  |  |  |  |

***Elaborate*: Place an “X” for a strike and a “O” for a ball.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Pitch 1** | **Pitch 2** | **Pitch 3** | **Pitch 4** | **Pitch 5** |
| **Player 1 Accuracy** |  |  |  |  |  |
| **Player 1 Speed** |  |  |  |  |  |
| **Player 2**  **Accuracy** |  |  |  |  |  |
| **Player 2 Speed** |  |  |  |  |  |
| **Player 3**  **Accuracy** |  |  |  |  |  |
| **Player 3 Speed** |  |  |  |  |  |

1. Write a mathematical expression using greater than and less than symbols putting each pitch type in order from most accurate (X) and least accurate (O). Support your expression with a written justification.
2. Make a claim and support it with evidence from your experiment: How does speed change accuracy?