**7.0 Keeping Score**

**GRADES 6th-8th**

**Option 1: Scoring the Game**

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**Option 2: Scoring the game**

**Add a tally mark, as needed.**

|  |  |
| --- | --- |
| **Inning**  | **Runs**  |
|  | **Team 1** | **Team 2** |
| **1** |  |  |
| **2** |  |  |
| **3** |  |  |
| **4** |  |  |
| **5** |  |  |
| **6** |  |  |
| **7** |  |  |
| **8** |  |  |
| **9** |  |  |

**Team 1**

|  |  |  |
| --- | --- | --- |
| **Inning**  | **Strikes (3)** | **Balls (4)** |
|  | **Hitter 1** | **Hitter 2** | **Hitter 3** | **Hitter 4** | **Hitter 1** | **Hitter 2** | **Hitter 3** | **Hitter 4** |
| **1** |  |  |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |  |  |
| **5** |  |  |  |  |  |  |  |  |
| **6** |  |  |  |  |  |  |  |  |
| **7** |  |  |  |  |  |  |  |  |
| **8** |  |  |  |  |  |  |  |  |
| **9** |  |  |  |  |  |  |  |  |

**Team 2**

|  |  |  |
| --- | --- | --- |
| **Inning**  | **Strikes (3)** | **Balls (4)** |
|  | **Hitter 1** | **Hitter 2** | **Hitter 3** | **Hitter 4** | **Hitter 1** | **Hitter 2** | **Hitter 3** | **Hitter 4** |
| **1** |  |  |  |  |  |  |  |  |
| **2** |  |  |  |  |  |  |  |  |
| **3** |  |  |  |  |  |  |  |  |
| **4** |  |  |  |  |  |  |  |  |
| **5** |  |  |  |  |  |  |  |  |
| **6** |  |  |  |  |  |  |  |  |
| **7** |  |  |  |  |  |  |  |  |
| **8** |  |  |  |  |  |  |  |  |
| **9** |  |  |  |  |  |  |  |  |

**Put your data above in ratios and simplify to unit rate in the tables below.**

Strike to Pitch

|  |  |  |
| --- | --- | --- |
|  | Ratio  | Unit Rate  |
| 1st Inning:  |  |  |
| 2nd Inning:  |  |  |
| 3rd Inning:  |  |  |
| 4th Inning: |  |  |

Strike to Ball

|  |  |  |
| --- | --- | --- |
|  | Ratio  | Unit Rate  |
| 1st Inning:  |  |  |
| 2nd Inning:  |  |  |
| 3rd Inning:  |  |  |
| 4th Inning: |  |  |

Ball to Pitch

|  |  |  |
| --- | --- | --- |
|  | Ratio  | Unit Rate  |
| 1st Inning:  |  |  |
| 2nd Inning:  |  |  |
| 3rd Inning:  |  |  |
| 4th Inning: |  |  |

Runs to Batters

|  |  |  |
| --- | --- | --- |
|  | Ratio  | Unit Rate  |
| 1st Inning:  |  |  |
| 2nd Inning:  |  |  |
| 3rd Inning:  |  |  |
| 4th Inning: |  |  |

Inning score to total score

|  |  |  |
| --- | --- | --- |
|  | Ratio  | Unit Rate  |
| 1st Inning:  |  |  |
| 2nd Inning:  |  |  |
| 3rd Inning:  |  |  |
| 4th Inning: |  |  |

Team 1 total score / Team 2 total score

|  |  |  |
| --- | --- | --- |
|  | Ratio  | Unit Rate  |
| 1st Inning |  |  |
| 2nd Inning  |  |  |
| 3rd Inning  |  |  |
| 4th Inning |  |  |

Team 1 inning score / Team 2 inning score

|  |  |  |
| --- | --- | --- |
|  | Ratio  | Unit Rate  |
| 1st Inning |  |  |
| 2nd Inning  |  |  |
| 3rd Inning  |  |  |
| 4th Inning |  |  |

**Answer the questions:**

1. Based on the Run to Hitter ratios, who is a more effective pitcher? How do the ratios support your claim?
2. Based on your inning Runs to Total Runs ratio, which inning was the best played inning? How do the ratios support your claim?
3. If your team out scores the other team at a ratio of 2:1, what will the score be for each inning and the end of the game?

|  |  |  |
| --- | --- | --- |
| **Innings** | **Opponent Score** | **Your Score** |
| **1** | **1** |  |
| **2** | **2** |  |
| **3** | **4** |  |
| **4** | **3** |  |
| **5** | **0** |  |
| **6** | **1** |  |
| **7** | **2** |  |
| **8** | **1** |  |
| **9** | **3** |  |
| **Total**  |  |  |

1. If a pitcher’s ratio of pitches to strikes is 5:2, how many strikes will the pitcher throw during a game of 50 pitches?
2. If a relief pitcher strikes out a player 1/3 times, what is their ratio of strikes to pitches?