

5th Grade: Read and answer questions

- Baseball statistics include the number of innings pitched by a pitcher. Consider part of the box score from a game against the Giants on September 16, 2018:

COLORADO PITCHERS	IP	H	R	ER	BB	SO	HR	ERA
Senzatela (W, 5-6)	5.0	5	1	1	2	5	0	4.81
Rusin (H, 7)	0.1	0	0	0	0	1	0	6.53
Oberg (H, 13)	1.2	1	0	0	0	3	0	2.22
Ottavino (H, 31)	1.0	1	1	1	1	1	0	2.25
Davis, W (S, 40)	1.0	0	0	0	0	2	0	4.48
Totals	9.0	7	2	2	3	12	0	

Starting pitcher Antonio Senzatela completed 5 innings and his innings pitched (IP) was recorded as 5.0

Relief pitcher Chris Rusin recorded one out in the 6th inning and his innings pitched was recorded as 0.1

Scott Oberg completed the two other outs in 6th inning and also pitched the 7th inning, and his innings pitched was recorded as 1.2.

Adam Ottavino pitched the 8th inning and Wade Davis pitched the 9th inning, and each recorded 1.0 innings pitched.

The total innings pitched could be written as $5.0 + 0.1 + 1.2 + 1.0 + 1.0 = 9.0$.

How do decimals work when recording innings pitched?

How many innings pitched would be recorded for a pitcher who makes 4 outs?

How do decimals normally work, and how are records of innings pitched different?

2. In 2018, Ian Desmond played in 160 games and stole 20 bases. Complete the following statement:

Ian Desmond stole one base about every _____ games.

This season, Trevor Story has _____ homeruns in _____ games?

Trevor Story hit a home run about every _____ games.

3. If a batter gets a hit in $\frac{1}{3}$ of his plate appearances, and gets a walk in $\frac{1}{4}$ of his plate appearances, in what fraction of plate appearances does the batter reach base?

4. If a game has 9 innings and each inning has two half innings, how many half innings are in a game? How can you write an equation using 9 and $\frac{1}{2}$ to show this?

5. If three friends want to share equally an 8-ounce bag of peanuts, what weight of peanuts should each friend get?

6. If the Rockies play half of their games at home, and Kyle Freeland pitches in $\frac{1}{5}$ of the team's games, in what fraction of a team's games would Kyle Freeland pitch at home?