

## 5<sup>th</sup> 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 6<sup>th</sup> inning and his innings pitched was recorded as 0.1

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

Adam Ottavino pitched the 8<sup>th</sup> inning and Wade Davis pitched the 9<sup>th</sup> 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?