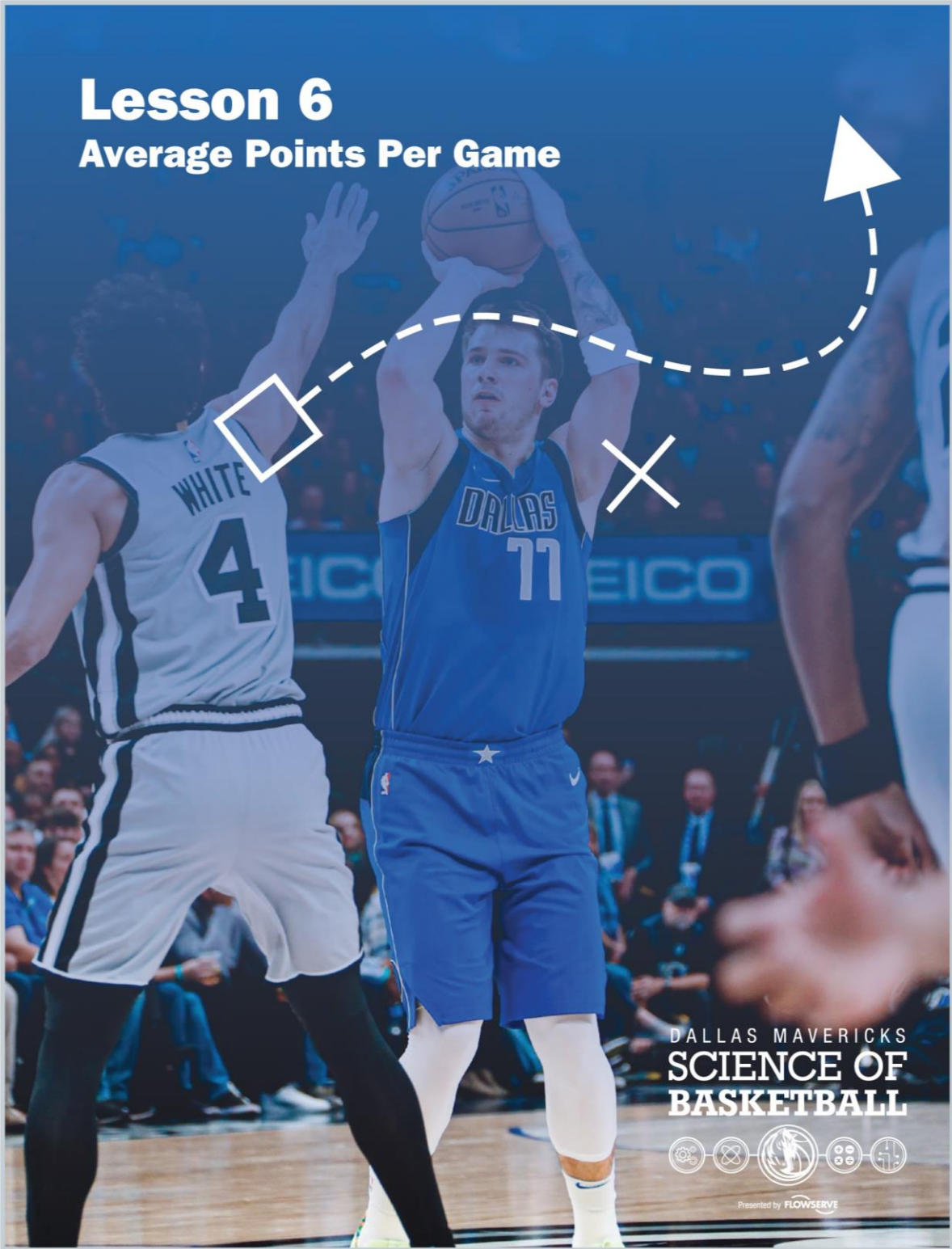




Lesson 6

Average Points Per Game



DALLAS MAVERICKS
SCIENCE OF
BASKETBALL



Presented by FLOWSERVE





Lesson 6 - Average Points Per Game

Description

Scholar athletes make calculations based on points, games played, and points per game.

Materials

1. Lesson 6 Worksheet

Answers

1. Player D, Player H, Player I, Player L
2. Player K with 13.0 points per game, Player J with 1.9 points per game
3. Player B with 0.8 points per game, Player E with 12.8 points per game
4. 8 more points

TEKS - Math

- 5.3.C - Solve with proficiency for quotients of up to a four-digit dividend by a two-digit divisor using strategies and the standard algorithm.
- 6.3.E - Multiply and divide positive rational numbers fluently.
- 6.5.A - Represent mathematical and real-world problems involving ratios and rates using scale factors, tables, graphs, and proportions.

Website References

<https://www.youtube.com/watch?v=m076z7STqFw>

Video (3:22): "NBA All Time Greatest Scorers - Points Per Game (Regular Season)"

http://www.espn.com/nba/statistics/player/_/stat/scoring-per-game/sort/avgPoints/year/2019/seasontype/2

NBA Player Scoring Per Game Statistics - 2019-20





Lesson 6 Teacher Guide

Go to: <https://www.youtube.com/watch?v=m076z7STqFw>, and have the scholar athletes watch the “NBA All Time Greatest Scorers - Points Per Game (Regular Season)” video.

Ask scholar athletes about their favorite current NBA players, then review the 2018-19 scoring per game leaders statistics at: http://www.espn.com/nba/statistics/player/_/stat/scoring-per-game/sort/avgPoints/year/2019/seasontype/2 and have the scholar athletes review their player’s statistics.

Have the scholar athletes complete the Lesson 6 Worksheet.

Lesson 6 Worksheet Answers

AVERAGE POINTS PER GAME			
Player	Total Points	Games Played	Ave. Points Per Game
Player A	36	13	2.8
Player B	3	4	0.8
Player C	122	10	12.2
Player D	134	15	8.9
Player E	179	14	12.8
Player F	35	13	2.7
Player G	51	13	3.9
Player H	116	15	7.7
Player I	89	15	5.9
Player J	17	9	1.9
Player K	65	5	13.0
Player L	115	15	7.7





Worksheet 6.1

Fill in the chart below, rounding the average points per game to the nearest tenth.

AVERAGE POINTS PER GAME			
Player	Total Points	Games Played	Ave. Points Per Game
Player A	36	13	2.8
Player B	3	4	
Player C	122	10	
Player D	134	15	
Player E	179	14	
Player F	35	13	
Player G	51	13	
Player H	116	15	
Player I	89	15	
Player J	17	9	
Player K	65	5	
Player L	115	15	





Worksheet 6.2

Use the "AVERAGE POINTS PER GAME" chart to answer the questions below.

1. Which four players have played the most number of games?

2. Which two players have the highest points per game averages, and what are those averages for each player?

3. Which two players have the lowest points per game averages, and what are those averages for each player?

4. How many more points would Player C have needed to score to tie the team leader in average points per game?

