

Name:

Efficiency in Basketball

Effective field goal percentage or eFG% is calculated with the following formula:

$$\text{eFG: } [\text{FG} + (0.5 * 3\text{P})] / \text{FGA}$$

FG= field goals made (includes 3-point shots)

3P= three-pointers made

FGA= field goal attempts

1. In Johnnie's basketball game, he made 6 field goals, 4 three pointers, and he attempted a total of 12 field goals. Calculate Johnnie's eFG%.
2. In Ava's game, she made 12 points off of layups and 6 points off of three pointers. She shot a total of 16 shots, what is her eFG%?
3. In Joshua's game, he made 3/12 of his shots inside the three-point line. He made 4/8 out of his three-pointers. Calculate his eFG%.

True shooting percentage or TS% is calculated using the following formula:

$$\text{TS\%: } \text{PTS} / \{ 2 [\text{FGA} + (0.4 * \text{FTA})] \}$$

PTS= points

FGA = field goal attempts

FTA= free throw attempts

4. Albert had a total of 15 points in his last game. He attempted a total of 10 field goals, and he attempted 5 free throws. What is his TS%?

5. Olivia made 4 three-pointers, 3 layups, and 2 free throws in her last game. She attempted 16 field goal attempts and 10 free throws. What is her TS%?

1. Charles made 3 three pointers, 5 layups, and 5 free throws. He attempted 15 free throws and 9 field goal attempts. What is his TS%?