Unit 3: Lesson 2: Estimating Products and Quotients

1. Estimate each product or quotient. Explain whey your estimate is an overestimate or an underestimate.
    a) 6.23×5 _____
    b) 4.8×7 _____
    c) 10.678×9 _____
    d) $21.73 \div 4$ _____
    e) $29.311 \div 3$ _____
    f) $97.113 \div 2$ _____

2. **a)** Shawn and his brothers went to the movie theatre. One ticket cost $7.75.
    Estimate the cost of 3 tickets. Show what you did.

    b) Shawn paid $10.75, including tax, for 3 containers of popcorn. Estimate the cost of one container of popcorn, including tax. Show what you did.

3. Estimate the perimeter of a square with each side length below. Tell if your estimate is an overestimate or an underestimate. How do you know?
    a) 3.2 cm   **b)** 3.8 cm   **c)** 5.4 cm

4. Estimate the side length of a square with each perimeter. Show work.
    a) 39.8 cm   **b)** 58.4 cm

5. It costs $17.85 per night to camp at Notikewin Provincial Park in Alberta. **About** how much will it cost to camp there for a week? Show your work.

6. **a)** Is 7.26×4 greater than, or less than, 28? How do you know?

    b) Is $41.16 \div 7$ greater than, or less than, 6. How do you know?

7. Describe a situation where you might want to use an overestimate. Explain why.