

E: Problem Solving with Fractions Continued.

- Convert the fractions to decimals, unless they are repeating.
- Do not round until the end of the question and only if you are asked to round.

Examples:

1. You lend \$85 to a friend. He pays back $\frac{1}{5}$ of the debt the first week then $\frac{1}{4}$ of the remaining debt the next week. How much money is still owed?

→ Solution is on the second document.

2. A sub sandwich is 20 cm long. You eat $\frac{1}{2}$ of the sandwich and give $\frac{1}{3}$ of the original to a friend. How much is left over?

3. The diameter of a volleyball is $\frac{5}{6}$ the diameter of a basketball. A basketball's diameter is $\frac{7}{10}$ the diameter of a beach ball.

a) What fraction of the diameter of the beachball is the diameter of the volleyball?

b) If the diameter of the beachball is ~~10~~⁵⁰ cm. What is the diameter of the volleyball?

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