

Unit 2: Working With Rational Numbers***2.3 Problem Solving with Rationals as Fractions***

Ex. Solve:

a) $\frac{-3}{4} - \frac{1}{5}$

b) $-2\frac{1}{2} + 1\frac{9}{10}$

c) $-\frac{2}{5}\left(-\frac{1}{6}\right)$

d) $-2\frac{1}{8} \div 1\frac{1}{4}$

Ex. At the start of the week Jane had \$30. During the week she spent $\frac{1}{5}$ of the money on bus fares, another $\frac{1}{2}$ shopping, and $\frac{1}{4}$ of what was left over on snacks. How much money was left at the end of the week?

Ex. Jane's height is $\frac{4}{5}$ of John's height and Jim's height is $\frac{3}{4}$ of Jane's height.

a) What fraction of John's height is Jim?

b) If John is 150 cm tall, how tall are Jane and Jim?