

Decimals word problems

Tim is a postman that works at a local post office. The basic postage is \$1.25 and covers any letter that is lighter than 7.5 grams. For heavier letters, extra postage of \$0.87 is needed for every 10 grams over 7.5 grams.

1. Can a letter that is $\frac{705}{100}$ grams be covered by the basic postage?
2. Emma mailed a letter that weighs 12.92 grams. Compared to the weight covered by basic postage, how much heavier is Emma's letter?
3. What is the postage needed for a letter that is 37.5 gram?

