

Maximum Texts Allowed



Kayla's cell phone plan has a fixed fee of \$45 per month plus \$0.10 per text message. Kayla's mom said she would take away the phone if she spent more than \$60 on her phone service this month.

a) Write an expression that can be used to represent Kayla's cell phone plan.

Expression _____

b) Write an inequality to represent the number of text messages that Kayla can send or receive to stay within her budget and keep her phone.

Inequality _____

c) Kayla's mom says that Kayla can send 150 texts before going over the \$60. Is Kayla's mom correct? Justify your answer using mathematical reasoning, and show how many texts Kayla can send on the number line below.


