Systems of Linear Equations: Real World Applications Worksheet based on interactive lesson @
mathwarehouse.com/algebra/linear equations/systems-of-equations/real-world-applications.html

7. Cell phone company S charges a $\$ 5$ flat fee plus a regular rate of $\$ 15$ for every 10 minutes. Company Z charges a $\$ 15$ intial, flat-fee and has a rate of $\$ 5$ for every 10 minutes? At how many minutes, do these two companies charge the same amount?
8. At how many minutes do both companies charge the same amount?
9. What is the solution to this system of linear equations?
10. If a new company (company L) opened up and charged $\$ 15$ initial, flat fee plus $\$ 5$ for every 20 minutes, at how many minutes would this new company's fee equal Company Z's fee?


The table below represents the monthly rate of two cell-phone companies.


If you chose a plan for yourself, which one would you use and why?
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