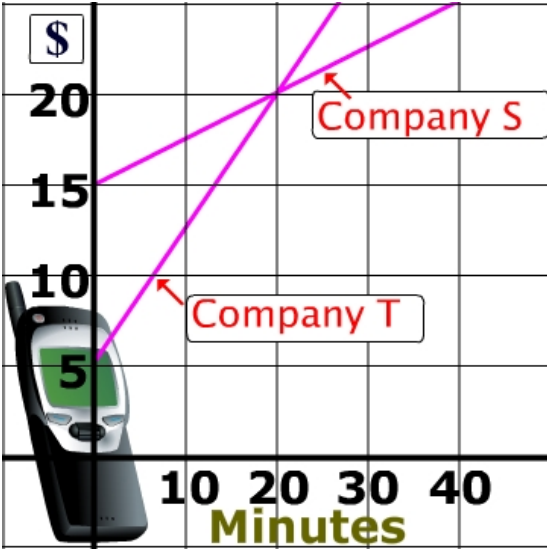


System of Linear Equations Activity

(Real World Application: Cell Phones)

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

<p>At how many minutes, do these companies charge the same amount?</p> <p>Think-Pair-Share:</p> <p>During what interval does company T offer a better value?</p> <p>When does company S offer a better value?</p> <hr/> <hr/> <hr/>	 <table border="1"><caption>Monthly Rates for Company T and Company S</caption><thead><tr><th>Minutes</th><th>Company T (\$)</th><th>Company S (\$)</th></tr></thead><tbody><tr><td>0</td><td>5</td><td>15</td></tr><tr><td>10</td><td>7.5</td><td>17.5</td></tr><tr><td>20</td><td>10</td><td>20</td></tr><tr><td>30</td><td>12.5</td><td>22.5</td></tr><tr><td>40</td><td>15</td><td>25</td></tr></tbody></table>	Minutes	Company T (\$)	Company S (\$)	0	5	15	10	7.5	17.5	20	10	20	30	12.5	22.5	40	15	25
Minutes	Company T (\$)	Company S (\$)																	
0	5	15																	
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20	10	20																	
30	12.5	22.5																	
40	15	25																	

If you had to chose a plan for yourself, which one would it be and why?

[How to solve systems of equations](#)

System of Linear Equations Activity

(Real World Application: Cell Phones)

Grading Rubric

Category	Points
Mathematics Correctly answer 3 questions on the values of the two plans	6
Analysis Choose a phone plan and analyze graphs	3
Justification Justify why you, specifically, would chose a company	1
Total Points	10



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TEACHERS: Feel free to make copies of this worksheet for the sole purpose of classroom use. ENJOY!!!

