

## Grade 8 Unit 6

# Linear Models and Tables

Task Name	Task Type <i>Grouping Strategy</i>	Content Addressed	Standards Addressed
<a href="#">Winter Is Over ...</a>	Performance Task <i>Partner/Small Group</i>	Graphing data, creating a table, and writing a function	8.F.4 8.F.5 8.SP.1
<a href="#">Heartbeats</a>	Performance Task <i>Individual/Partner</i>	Analyzing data via a table, graph, and an equation	8.F.4 8.F.5 8.SP.1
<a href="#">Walk the Graph</a>	Learning Task <i>Partner/Small Group</i>	Understanding of graphing linear functions and rates of change	8.F.4 8.F.5 8.SP.2 8.SP.4
<a href="#">Forget the Formula</a>	Performance Task <i>Individual/Partner</i>	Writing a function given two points	8.F.4 8.F.5 8.SP.4
<a href="#">Heartbeats, Too!</a>	Learning Task <i>Small Group</i>	Properties of linear graphs	8.F.4 8.F.5 8.SP.1 8.SP.2 8.SP.4
<a href="#">Mineral Samples</a>	Performance Task <i>Partner/Small Group</i>	Determining line of best fit	8.SP.1 8.SP.2 8.SP.4
<a href="#">Walking Race and Making Money</a>	Learning Task <i>Partner/Small Group</i>	Introduction to the concept of average rate of change as a tool for describing and understanding characteristics of functions	8.F.4 8.F.5 8.SP.1 8.SP.2 8.SP.4
<a href="#">Mini-Problems</a>	Performance Task <i>Individual/Partner</i>	Creating a table and developing an equation	8.F.4 8.F.5 8.SP.1 8.SP.2 8.SP.4
<a href="#">My Cotton Boll Data</a> <small>(with permission from Carrie Pierce, Lee County Schools)</small>	Performance Task <i>Small Group</i>	Gathering bivariate data, creating a scatter plot, and analyzing data	8.F.4 8.F.5 8.SP.1 8.SP.2 8.SP.4
<a href="#">Outdoor Theater</a>	Performance Task <i>Small Group</i>	Using bivariate data to develop a function	8.F.4 8.F.5 8.SP.1 8.SP.2 8.SP.4

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<a href="#">How Long Should Shoe Laces Really Be?</a>	Performance Task <i>Small Group</i>	Creating a scatter plot and determining a line of best fit	8.F.4 8.F.5 8.SP.1 8.SP.2 8.SP.4
<b>Culminating Task:</b> <a href="#">Are the Data Linear?</a>	Performance Task <i>Individual/Partner</i>	Demonstrate understanding of linear relationships and generalizing the relationships through writing and graphing linear equations and inequalities	8.F.4 8.F.5 8.SP.1 8.SP.2 8.SP.4