ES3- Proportional Relationships

- ***I can graph and compare two different proportional relationships represented in any of the four ways (graphs, tables, equations, and real world scenarios).***

8th Grade Math ES3 (Learning Targets) Proficiency Scale

Essential Standard 3: 8.EE.B.5 • Graph proportional relationships, interpreting the unit rate as the slope of the graph. • Compare two different proportional relationships represented in different ways (graphs,tables,equations)	
Targets for Enriched Understanding	☐ Represent and compare unique proportional relationships in all four ways (graphs, tables, equations, and real world scenarios)
Proficiency Targets	☐ **Graph and compare two different proportional relationships represented in different ways (graphs, tables, equations, and real world scenarios).**
Exploration Targets	☐ LT 3.4 Graph proportional relationships represented in 3 ways (table, equations, scenarios) ☐ LT 3.3 Find the rate of change of a situation from real world context. ☐ LT 3.2 Find the slope from a table. ☐ LT 3.1 Find the slope of a line from a graph.
Readiness Building Target	☐ Find the slope of an equation in slope-intercept form ☐ Recognize slope as the unit rate, constant of proportionality, and rate of change. ☐ Graphing points on a coordinate plane (x,y).

8th Grade Math ES3 Rubric

0 (Lack of Evidence)	**1 (Initiating)**	**2 (Developing)**	**3 (Achieving)**	**4 (Advancing)**
Student has not shown evidence they can graph and compare proportional relationships from a graph, table, equation, or real world scenario.	Student can graph or find the unit rate from at least **one representation.**	Student can graph or compare two different proportional relationships from at least **two different representations.**	Student can graph and compare two different proportional relationships **using correct unit rates** represented in any of the four ways (graphs, tables, equations, and real world scenarios).	Student can create, represent, and compare proportional relationships in all four ways (graphs, tables, equations, and real world scenarios).

ES3- Proportional Relationships

Example of Proficiency

The cost of movie tickets from two different theater's is shown below.

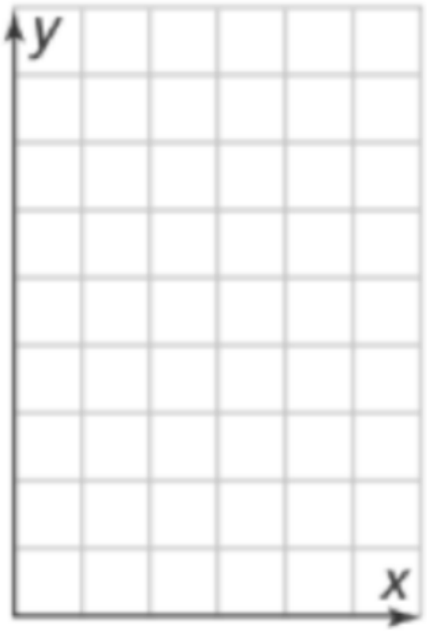
Fantastic Flicks Tickets

# of tickets	amount paid (in dollars)
3	38.25
6	76.50
9	114.75
12	153

Perfect Picture Tickets

Only $65.50 for 5 tickets!

a.) Graph *both* relationships below. Label each line on the graph you create.



b.) Which theater offers the lowest price *per ticket*? Explain how you know.