

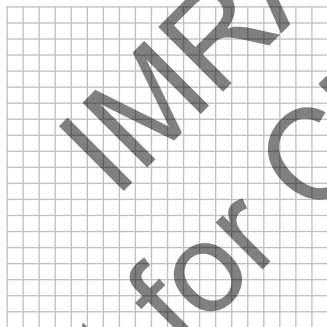
Performance Task: 8.5F
Proportional & Non-Proportional Relationships: Beach Rentals

The Jameson family of 5 and the Maritz family of 4 are spending the day at the beach. There they find a vendor renting some items they might need for the day.



The Jameson's decide to get chairs for each person in their family and to share 3 umbrellas with each other for their day on the beach. The Maritz family also gets chairs for each person as well as 2 umbrellas to share. The Maritz family also rents the sandcastle tools for the day.

Use at least two representations, to represent the cost of each family's rentals. Is each family's cost proportional to the number of hours they spend at the beach? At how many hours would the two families' costs be the same? If each family spends 6 hours at the beach, how much will they each spend on rentals? If the Jameson's spent \$225, how long were they at the beach? If the Maritz family spent \$56 less than the Jameson's and both families were at the beach the same length of time, how many hours were the families at the beach? Justify your reasoning.



Procedural	0	1	2
Conceptual	0	1	2
Communication	0	1	2

Total points: _____

