How Much Land?

Mr. Rodriguez bought land to give to his family. He wants to give his wife 0.45 of the land, his
daughter 0.25 of the land, and to each of his two nephews he wants to give 0.15 of the land.

1. Mr. Rodriguez bought his family 1.75 acres in Florida. How many decimal places will
there be in each product?


2. How much of the land will each family member receive?


3. Suppose Mr. Rodriguez decides to add to his daughter’s gift the land he had designated
for his nephews. How much of the 1.75 acres will she now receive?


4. In New York, Mr. Rodriguez purchased a house on a 0.8-acre lot. How much of that land
will each family member receive?


5. Mr. Rodriguez purchased 2.3 times as much land in California than he did in Florida.
How much land did he purchase in California?


6. Mr. Rodriguez gives his family the land in California. How many decimal places are there
in each portion of land received by his family? Explain how you know.
How Much Land?
Mr. Rodriguez bought land to give to his family. He wants to give his wife 0.45 of the land, his daughter 0.25 of the land, and to each of his two nephews he wants to give 0.15 of the land.

1. Mr. Rodriguez bought his family 1.75 acres in Florida. How many decimal places will there be in each product?

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2. How much of the land will each family member receive?

wife 0.7875 acre, daughter 0.4375 acre, each nephew 0.2625 acre

3. Suppose Mr. Rodriguez decides to add to his daughter’s gift the land he had designated for his nephews. How much of the 1.75 acres will she now receive?

0.9625 acre

4. In New York, Mr. Rodriguez purchased a house on a 0.8-acre lot. How much of that land will each family member receive?

wife 0.36 acre, daughter 0.2 acre, each nephew 0.12 acre

5. Mr. Rodriguez purchased 2.3 times as much land in California than he did in Florida. How much land did he purchase in California?

4.025 acres

6. Mr. Rodriguez gives his family the land in California. How many decimal places are there in each portion of land received by his family? Explain how you know.

5; Possible answer: The land in California goes to 3 decimal places. Family members get land to 2 decimal places, and 3 + 2 = 5.