Horse Corrals
MAC Assessment Task

Marge has four horses. Her pasture has rows of fence posts. She roped off corrals to separate each of the horses so they will not run away.

Four posts in the following configuration is a square unit in size:

1. What is the size of Corral 3? _________________ square units

2. What fraction of the whole pasture is each of the corrals?

   Corral 1: _______   Corral 2: _______   Corral 3: _______   Corral 4: _______

   Explain how you determined your answers.

___________________________________________________________________________
___________________________________________________________________________
Marge’s friend Rick has 6 horses. He has the same size pasture with posts. He wants a separate corral for each of his horses and he wants them equal in size.

3. Divide the pasture to make sure each of Rick’s horses has an equal sized corral. Indicate on the pasture above where the rope should go.

Explain what fractional part each horse should have.

_______________________________________________________________________
_______________________________________________________________________

4. Rick reconsiders his corrals. He wants some horses to have different sized corrals than the other horses. How can the pasture be divided so that some horses have a different fractional amount of area? Explain your reasoning below.

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