

Tiles

Problem Card 1

Elena is covering the floor with rectangular tiles.

How many tiles will Elena need to cover the floor?

Tiles

Data Card 1

- The floor is a square.
- The length of one side of the floor is 8 feet.
- One side of the tiles is  $\frac{1}{3}$  foot.
- One side of the tiles is  $\frac{1}{2}$  foot.
- The area of the floor is 64 square feet.

Tiles

Problem Card 2

Mai is covering part of the bathroom wall with rectangular tiles.

How many boxes of tiles does Mai need? How many tiles will she have left over?

Tiles

Data Card 2

- Each box has 42 tiles.
- The wall space is a rectangle that is 8 feet long and  $6\frac{1}{2}$  feet wide.
- Each tile is 1 foot long and  $\frac{1}{4}$  foot wide.
- Each box of tiles covers  $10\frac{1}{2}$  square feet.