

NAME _____

DATE

11/3/11

Home Connection 16 ★ Activity

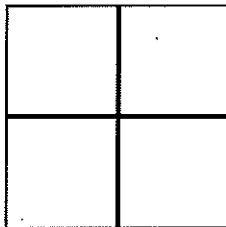


NOTE TO FAMILIES

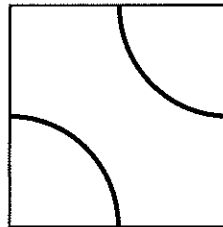
This Home Connection combines math and design. Students use their creativity to design a pattern and then practice computation to determine how much it would cost to make that pattern in tile.

Design a Floor Pattern

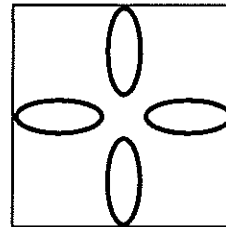
- 1 Choose one of the two Floor Plans: Floor Plan 1 below *or* Floor Plan 2 on the back of this page. (If you really enjoy this project, you can do both.)
- 2 Draw one of the following 3 tile designs in each square on your floor plan. Do not use the same design for every square.



Tile A



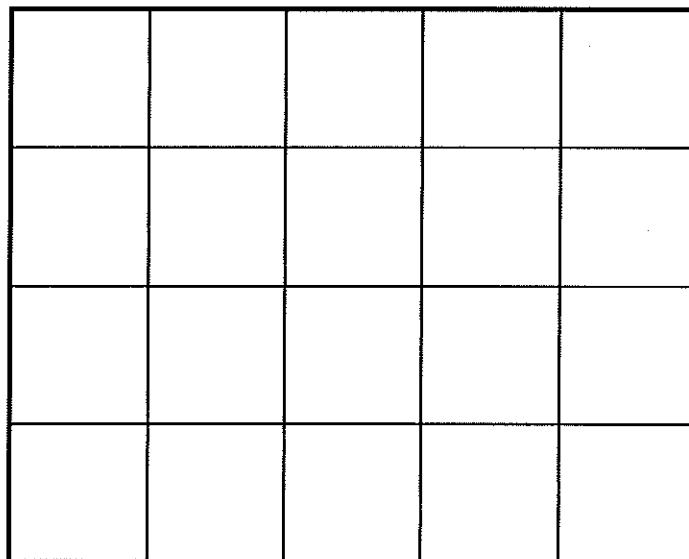
Tile B



Tile C

- 3 Answer questions 1–6 on the worksheet.

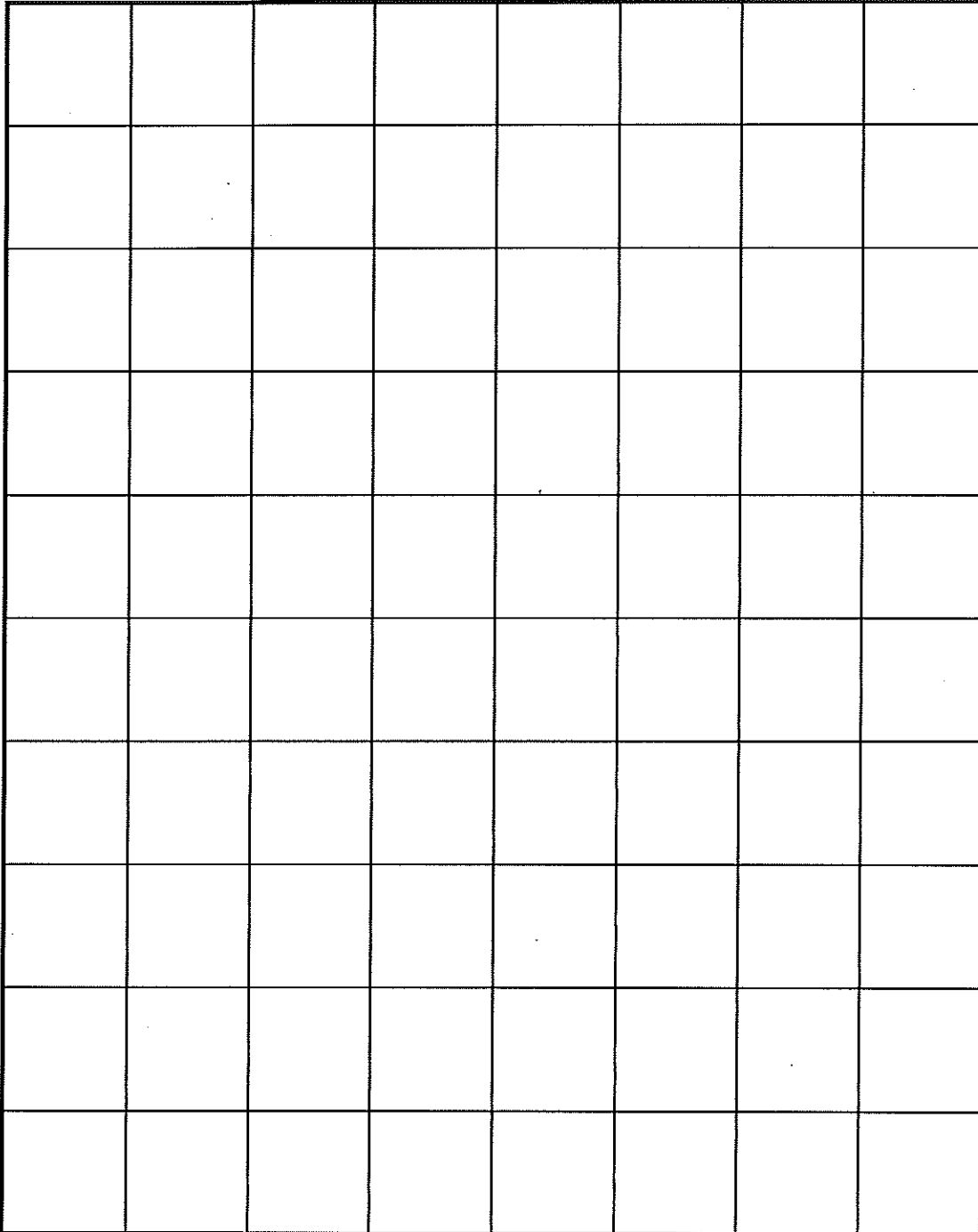
Floor Plan 1



(Continued on back.)

Home Connection 16 Activity (cont.)

Floor Plan 2



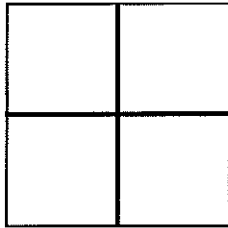
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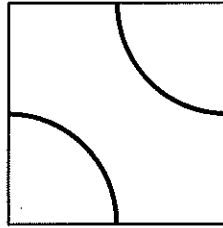
Home Connection 16 ★ Worksheet

Calculating the Costs of Your Floor Pattern(s)

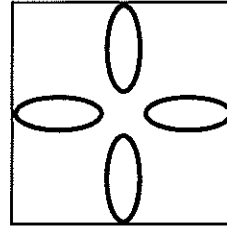
Here is the cost of each tile.



Tile A: 25 cents



Tile B: 50 cents



Tile C: 1 dollar

Use your floor plan(s) and the information above to answer the questions below. (Remember, you only have to do one of the floor plans, not both.)

Question	Floor Plan 1	Floor Plan 2
1 How many tiles did you need for the floor plan you chose?		
2 How many of each tile did you use in your design of the floor plan?	A	A
	B	B
	C	C
3 How much money did all the tiles A cost?		
4 How much money did all the tiles B cost?		
5 How much money did all the tiles C cost?		
6 How much money did the entire floor pattern cost?		