

Splitting Area Models

NCTM Standards 1, 2, 7, 9, 10

Complete the area models and puzzles.

1

	10	3
8	80	

×	10	3	13
8			

2

	4
10	
5	

×	4
10	
5	
15	

3

	5
9	
7	

×	
16	

4

	7
6	
11	

×	
17	

5

	6	10
8		
20		

×	6	10	16
8			
20			
28			

6

	8	4
5		
7		

×			12
12			

Complete the puzzles.

7	×	6	10	
20				
4				

8	×	4	9	
		28		91
			72	
15				

9	×	10		21
			99	
		30		
12				

10	×		2	
9		81		
		81		
				198

For 11 and 12, draw lines (one vertical and one horizontal) to split each area model. Write the new factors. Complete puzzles to match.

11

×			14
18			

12 Challenge

×			25
34			