

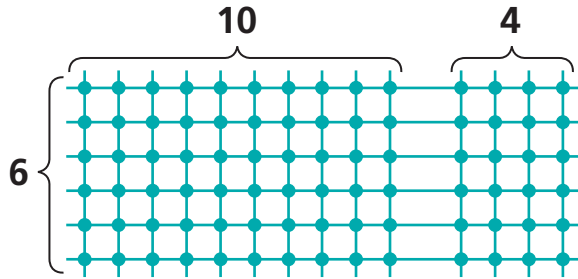
Separating Arrays to Multiply

NCTM Standards 1, 2, 6, 9, 10

Use the lines and intersections to help complete the multiplication sentences.

1

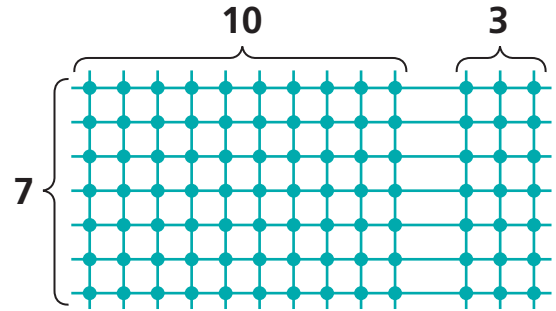
$$14 \times 6 = \square$$



10	4	14
$\times 6$	$\times 6$	$\times 6$
\square	\square	\square

2

$$13 \times 7 = \square$$

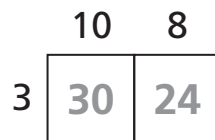


10	3	13
$\times 7$	$\times 7$	$\times 7$
\square	\square	\square

Complete the multiplication sentences by imagining the lines and intersections.

3

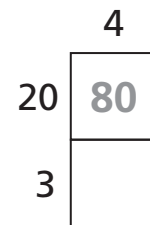
$$18 \times 3 = \square$$



10	8	18
$\times 3$	$\times 3$	$\times 3$
\square	\square	\square

4

$$23 \times 4 = \square$$



20	\square	23
$\times 4$	$\times 4$	$\times 4$
\square	\square	\square

5

$23 \times 9 = \square$

	20	3
9	180	
×		
×		
×		

6

$45 \times 7 = \square$

	5	
×		
×		
×		

Some of the steps used above are left out. Use your own paper if you want to write the missing steps.

7

$15 \times 9 = \square$

9		
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8

$26 \times 7 = \square$

7		
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9 Challenge Ms. Liu's class is making 8 signs to display around town. Each sign will say, "CLOTHING DRIVE AT HILL ELEMENTARY." The students decided to cut each letter out of bright paper to make the signs easy to read. How many letters do they need to cut out to make all the signs?

10 Challenge Mr. Sandy received a shipment of 7 boxes of balls for next year's table tennis tournament. In each box, there were 12 packages with 6 balls in each package. How many balls arrived in the shipment?
