Lesson 6 Problem Set 4•3

Name ___________________________ Date ____________________

Represent the following problem by drawing disks in the place value chart.

1. To solve $20 \times 40$, think

   \[
   (2 \text{ tens} \times 4) \times 10 = \underline{\phantom{000}} \\
   20 \times (4 \times 10) = \underline{\phantom{000}} \\
   20 \times 40 = \underline{\phantom{000}} 
   \]

<table>
<thead>
<tr>
<th>hundreds</th>
<th>tens</th>
<th>ones</th>
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2. Draw an area model to represent $20 \times 40$.

   \[2 \text{ tens} \times 4 \text{ tens} = \underline{\phantom{000}} \underline{\phantom{000}}\]

3. Draw an area model to represent $30 \times 40$.

   \[3 \text{ tens} \times 4 \text{ tens} = \underline{\phantom{000}} \underline{\phantom{000}}\]

   \[30 \times 40 = \underline{\phantom{000}}\]
4. Draw an area model to represent $20 \times 50$.

2 tens $\times$ 5 tens = ______

$20 \times 50 = ______$

Rewrite each equation in unit form and solve.

5. $20 \times 20 = ______$

6. $60 \times 20 = ______$

2 tens $\times$ 2 tens = _____ hundreds

6 tens $\times$ 2 ______ = ____ hundreds

7. $70 \times 20 = ______$

8. $70 \times 30 = ______$

_____ tens $\times$ _____ tens = 14 _________

_____ ______ $\times$ _____ ______ = _____ hundreds
Lesson 6: Multiply two-digit multiples of 10 by two-digit multiples of 10 with the area model.

9. If there are 40 seats per row, how many seats are in 90 rows?

10. One ticket to the symphony costs $50. How much money is collected if 80 tickets are sold?