

Name Jack Date _____

Use an area model to represent the following expressions. Then record the partial products and solve.

1. 20×22

	20	2
20	20×20 2 tens \times 2 tens 4 hundreds 400	20×2 2 tens \times 2 4 tens 40

22
$\times 20$
<u>40</u>
+ 400
<u>440</u>

2. 50×41

	40	1
50	50×40 5 tens \times 4 tens 20 hundreds 2,000	50×1 5 tens \times 1 5 tens 50

41
$\times 50$
<u>50</u>
+ 2000
<u>2050</u>

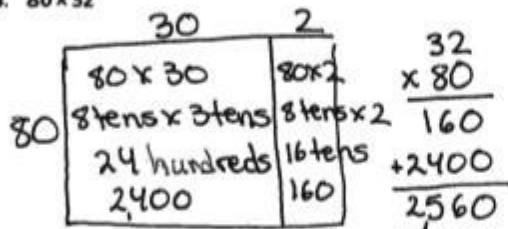
3. 60×73

	70	3
60	60×70 6 tens \times 7 tens 42 hundreds 4,200	60×3 6 tens \times 3 18 tens 180

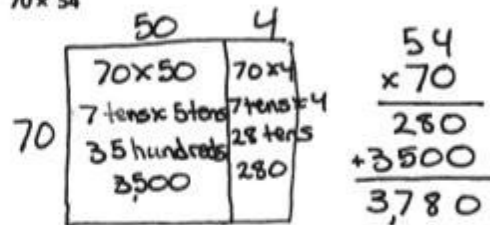
73
$\times 60$
<u>180</u>
+ 4200
<u>4380</u>

Draw an area model to represent the following expressions. Then record the partial products vertically and solve.

4. 80×32



5. 70×54



Visualize the area model and solve the following products numerically.

6. 30×68

$$\begin{array}{r} 68 \\ \times 30 \\ \hline 240 \\ + 1800 \\ \hline 2,040 \end{array}$$

7. 60×34

$$\begin{array}{r} 34 \\ \times 60 \\ \hline 240 \\ + 1800 \\ \hline 2,040 \end{array}$$

8. 40×55

$$\begin{array}{r} 55 \\ \times 40 \\ \hline 200 \\ + 2000 \\ \hline 2,200 \end{array}$$

9. 80×55

$$\begin{array}{r} 55 \\ \times 80 \\ \hline 400 \\ + 4000 \\ \hline 4,400 \end{array}$$

