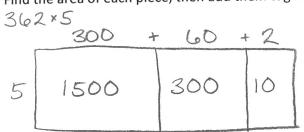
Unit 3 Review Sheet

Multiplication: Area Model

- *Decompose the factors by their place values.
- *Start in the ones place.

*Find the area of each piece, then add them together to find the total product.



nei to	iiiia tii						
1,500							
+	10						
1,8	10						

47	× 89 40	+7	1)
86	3200	560	3,200 560 360 + 63
9	360	63	4,183

Multiplication: Partial Products

- *Start in the ones place.
- *Think of the bottom number first.
- *Record the expressions next to their answers.

Division: Place Value Chart

- *Represent the dividend & draw the number of groups equal to the divisor.
- *Start in the highest place value and equally distribute what's in the place value to the groups.
- *Unbundle/regroup any remaining into the next place value.
- *The quotient is the amount in one group. Any remaining ones are the remainder.

	Thou.	Hun.	Tens	Ones	
	5 -3	120 26 -24	7-20 27 -27	8-42	
0	١	8	9	2	1,892
3	1	8	9	2	
3	1	8	9	2	
1					

Area & Perimeter Review:

- *The formula for area is A = I
- * w. Area is measured in square units.
- *The formula for perimeter is P = (2 * I) + (2 * w). Perimeter is measured in units.
- *Sometimes the missing information is one of the side lengths, which are measured in units.