Name: Weekly Homework Sheet Week 9 Date:				
Monday	Tuesday	Wednesday	Thursday	
The science museum sells dinosaur models to schools and libraries for \$107 each. The town library buys 3 models. The town elementary school buys 5 models. What is the total cost of the models the town buys?	Kyle and Karen each bought 6 books of ride tickets at the fair. Each book has 15 tickets. How many tickets did they buy altogether?	Section J in an arena has 20 rows. Each row has 15 seats. All tickets cost \$18 each. If all the seats are sold, how much money will the arena collect for Section J?	At a high-school gym, the bleachers are divided into 6 equal sections. Each section can seat 395 people. How many people can be seated in the gym?	
Estimate by rounding.	Estimate by rounding.	Estimate by rounding.	Estimate by rounding.	
2 x 456 =	5 x 691 =	4 x 567 =	3 x 4213 =	
Find the Sum.	Find the sum.	Find the Sum.	Find the Sum.	
4 x 50 = 4 x 500 = 4 x 5,000 =	50 x 70 =	400 x 300 =	60 x 7,000 =	

Multiply using the distributive property EXAMPLE:	Multiply using the distributive property.  3 x 13 =	Multiply using the distributive property.  4 x 17 =	Multiply using the distributive property.  6 x 19 =
4 x 14 = 4 x (7 + 7) = 4 x 7 = 28 4 x 7 = 28 28 + 28 = 46			
Multiply using expanded form.  EXAMPLE:	Multiply using expanded form.	Multiply using expanded form.	Multiply using expanded form.
$4 \times 145 =$ $4 \times (100 + 40 + 5) =$ $4 \times 100 = 400$ $4 \times 40 = 160$ $4 \times 5 = 20$	5 x 25 =	3 x 142 =	2 x 261 =
400 + 160 + 20 = 580 4 x 145 = 580			
Find the product using Partial products.  EXAMPLE:  156  x 3 18 150 +300 468	Find the product using Partial products.  235 x5	Find the product using Partial products.  3 4 8  x 4	Find the product using Partial products.  1 2 6 7  x 3

Answer Key - Weekly Homework Sheet Week 8

Monday	Tuesday	Wednesday	Thursday
The science museum sells dinosaur models to schools and libraries for \$107 each. The town library buys 3 models. The town elementary school buys 5 models. What is the total cost of the models the town buys?  3 x 107 = 321 5 x 107 = 535 535 + 321 = \$856	Kyle and Karen each bought 6 books of ride tickets at the fair. Each book has 15 tickets. How many tickets did they buy altogether?  6 x 15 = 90 90 x 2 = 180 tickets	Section J in an arena has 20 rows. Each row has 15 seats. All tickets cost \$18 each. If all the seats are sold, how much money will the arena collect for Section J?  20 x 15 = 300 seats 300 x 18 = 3 x (9 +9) 3 x 9 = 27 3 x 9 = 27 27+27 = 54+00 = \$5,400 (Think 3 x 18 first, then add on the zeros)	At a high-school gym, the bleachers are divided into 6 equal sections. Each section can seat 395 people. How many people can be seated in the gym?  6 x 395 = 1,370 people
Estimate by rounding.  2 x 456 =  2 x 500 = 1,000	Estimate by rounding.  5 x 691 =  5 x 700 = 3,500	Estimate by rounding.  4 x 567 =  4 x 600 = 2,400	Estimate by rounding.  3 x 4213 =  3 x 4,000 = 12,000
Find the Sum.  4 x 50 = 200  4 x 500 = 2,000  4 x 5,000 = 20,000	Find the sum.  50 x 70 = 3,500	Find the Sum.  400 x 300 = 120,000	Find the Sum.  60 x 7,000 = 420,000

distributive property  EXAMPLE:  3 x 13 =				
## Ax 14 = ## Ax 17 = ## Ax 19 =	Multiply using the	Multiply using the	Multiply using the	Multiply using the distributive
3 x 13 =	distributive property	distributive property.	distributive property.	property.
4 x 14 =       4 x (7 + 7) =       4 x (10 + 7)       4 x 10 = 40       6 x (10 + 9)       6 x 10 = 60	EXAMPLE:			
4 x (7 + 7) =       4 x 7 = 28       4 x 7 = 28       6 x 10 = 60         4 x 7 = 28       4 x 7 = 28       6 x 9 = 54         4 x 7 = 28       40 + 28 = 68       60 + 54 = 114         Multiply using expanded form.       Multiply using expanded form.       Multiply using expanded form.         EXAMPLE:       Multiply using expanded form.       Multiply using expanded form.         4 x 145 =       4 x (100 + 40 + 5) =       3 x 142 =         4 x 100 = 400       5 x 20 + 5       3 x 100 + 40 + 2         4 x 40 = 160       5 x 20 = 100       3 x 40 = 120         4 x 5 =       20       3 x 20 = 100         5 x 5 = 25       3 x 2 = 6         100 + 20 = 580       300 + 120 + 6 = 426         4 x 145 = 580       Find the product using Partial products.       Find the product using Partial products.         Fax 10 = 40       Find the product using Partial products.       Find the product using Partial products.		3 x 13 =	4 x 17 =	6 x 19 =
4 x (7 + 7) =       4 x 7 = 28       4 x 7 = 28       6 x 10 = 60         4 x 7 = 28       4 x 7 = 28       6 x 9 = 54         4 x 7 = 28       40 + 28 = 68       60 + 54 = 114         Multiply using expanded form.       Multiply using expanded form.       Multiply using expanded form.         EXAMPLE:       Multiply using expanded form.       Multiply using expanded form.         4 x 145 =       4 x (100 + 40 + 5) =       3 x 142 =         4 x 100 = 400       5 x 20 + 5       3 x 100 + 40 + 2         4 x 40 = 160       5 x 20 = 100       3 x 40 = 120         4 x 5 =       20       3 x 20 = 100         5 x 5 = 25       3 x 2 = 6         100 + 20 = 580       300 + 120 + 6 = 426         4 x 145 = 580       Find the product using Partial products.       Find the product using Partial products.         Fax 10 = 40       Find the product using Partial products.       Find the product using Partial products.	4 x 14 =	3 x (6 + 7)	$4 \times (10 + 7)$	6 x (10+9)
4 x 7 = 28       3 x 7 = 21       4 x 7 = 28       6 x 9 = 54         4 x 7 = 28       40 + 28 = 68       60 + 54 = 114         Multiply using expanded form.       Multiply using expanded form.       Multiply using expanded form.       Multiply using expanded form.         EXAMPLE:       3 x 142 =       2 x 261 =         4 x 100 + 40 + 5) =       4 x 100 + 40 + 5) =       3 x 100 + 40 + 2       2 x 200 = 400         4 x 40 = 160       5 x 20 + 5       3 x 100 = 300       2 x 60 = 120         4 x 5 = 20       5 x 5 = 25       3 x 20 = 120       2 x 1 = 2         400 + 160 + 20 = 580       4 x 145 = 580       400 + 120 + 6 = 426         Find the product using Partial products.       Partial products.       Find the product using Partial products.         EXAMPLE:       2 3 5       3 4 8       1 2 6 7         1 5 6       x 5 5       x 4 8       1 2 6 7         3 4 8       3 4 8       1 2 6 7         4 x 7 = 28       40 + 51 = 114       40 + 51 = 114         4 x 145 = 580       4 x 100 + 40 + 20 = 580       4 x 120 = 426         4 x 145 = 580       5 x 20 = 100       5 x 20 = 100       5 x 20 = 100         5 x 25 = 125       3 x 100 = 300       5 x 10 = 100       5 x 10 = 100         6 x 100 + 100 + 100 + 100 + 100	$4 \times (7 + 7) =$	. ,	The state of the s	· · · · · · · · · · · · · · · · · · ·
4 x 7 = 28       15 + 18 = 39       40 + 28 = 68       60 + 54 = 114         Multiply using expanded form.       Multiply using expanded form.       Multiply using expanded form.       Multiply using expanded form.         4 x 145 = 4 x (100 + 40 + 5) = 4 x 100 = 400       5 x 25 = 3 x 100 + 40 + 2 2 2 x 200 = 400 2 x 200 = 400 2 x 40 = 120 2 x 20 = 1	•			the state of the s
Multiply using expanded form.  EXAMPLE:  A x 145 =  A x (100 + 40 + 5) =  A x 100 = 400  A x 40 = 160  A x 145 = 20  A x 100 + 20 = 580  A x 145 = 580  Find the product using Partial products.  EXAMPLE:  B Multiply using expanded form.  A x 142 =   3 x 100 + 40 + 2  2 x 261 =  2 x 200 = 400  3 x 100 = 300  3 x 40 = 120  3 x 2 = 6  300 + 120 + 6 = 426  Multiply using expanded form.  Find the product using partial product using products.  Find the product using products.  EXAMPLE:  1 5 6  A wiltiply using expanded form.  Find the product using product using product using product using products.  Find the product using products.				The state of the s
Multiply using expanded form.         4 x 145 = 4 x (100 + 40 + 5) = 4 x 100 = 400       5 x 25 = 3 x 100 + 40 + 2 2 2 x 200 = 400       2 x 261 = 2 x 200 = 400       2 x 60 = 120       2 x 60 = 120       2 x 60 = 120       2 x 1 = 2       2 x 1 = 2       2 x 1 = 2       4 x 1 = 2			20 00	
form.       form.       form.       form. $4 \times 145 =$ $4 \times (100 + 40 + 5) =$ $3 \times 142 =$ $2 \times 261 =$ $4 \times 100 = 400$ $5 \times 25 =$ $3 \times 100 + 40 + 2$ $2 \times 200 = 400$ $4 \times 40 = 160$ $5 \times 20 = 100$ $3 \times 40 = 120$ $2 \times 60 = 120$ $4 \times 5 =$ $20$ $5 \times 5 = 25$ $3 \times 2 = 6$ $400 + 120 + 2 = 522$ $400 + 160 + 20 = 580$ $4 \times 145 = 580$ Find the product using Partial products.       Find the product using Partial products.         Partial products.       Partial products.       Find the product using products.       Find the product using products.         EXAMPLE: $2 \times 5$ $3 \times 48$ $1 \times 267$ $1 \times 6$ $1 \times 6$ $1 \times 6$ $1 \times 6$	20 10			
form.       form.       form.       form. $4 \times 145 =$ $4 \times (100 + 40 + 5) =$ $3 \times 142 =$ $2 \times 261 =$ $4 \times 100 = 400$ $5 \times 25 =$ $3 \times 100 + 40 + 2$ $2 \times 200 = 400$ $4 \times 40 = 160$ $5 \times 20 = 100$ $3 \times 40 = 120$ $2 \times 60 = 120$ $4 \times 5 =$ $20$ $5 \times 5 = 25$ $3 \times 2 = 6$ $400 + 120 + 2 = 522$ $400 + 160 + 20 = 580$ $4 \times 145 = 580$ Find the product using Partial products.       Find the product using Partial products.         Partial products.       Partial products.       Find the product using products.       Find the product using products.         EXAMPLE: $2 \times 5$ $3 \times 48$ $1 \times 267$ $1 \times 6$ $1 \times 6$ $1 \times 6$ $1 \times 6$				
EXAMPLE: $4 \times 145 = \\ 4 \times (100 + 40 + 5) = \\ 4 \times 100 = 400 \\ 4 \times 40 = 160 \\ 4 \times 5 = 20$ $5 \times 20 = 100 \\ 5 \times 5 = 25 \\ 100 + 25 = 125$ $5 \times 20 = 100 \\ 3 \times 40 = 120 \\ 3 \times 2 = 6 \\ 300 + 120 + 6 = 426$ Find the product using Partial products.  EXAMPLE: $235 \\ 156$ $2 \times 261 = \\ 2 \times 200 = 400 \\ 2 \times 60 = 120 \\ 2 \times 1 = 2 \\ 400 + 120 + 2 = 522$ $400 + 120 + 6 = 426$ Find the product using Partial products.  Find the product using Partial products. $235 \\ \times \underline{5} $ $348 \\ \times \underline{4} $ $1267 \\ \times \underline{3} $		, , , , ,		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		form.	form.	form.
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	EXAMPLE:			
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				
4 x 100 = 400       5 x 20 + 5       3 x 100 = 300       2 x 60 = 120         4 x 40 = 160       5 x 20 = 100       3 x 40 = 120       2 x 1 = 2         4 x 5 = 20       5 x 5 = 25       300 + 120 + 6 = 426         400 + 160 + 20 = 580       4 x 145 = 580       Find the product using Partial products.       Find the product using Partial products.         Partial products.       Partial products.       Partial products.       Find the product using products.         EXAMPLE:       2 3 5       3 4 8       1 2 6 7         1 5 6       x 5 20 = 100       3 x 100 = 300       2 x 60 = 120         3 x 2 = 6       400 + 120 + 2 = 522				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	,	The state of the s		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				
$\begin{array}{cccccccccccccccccccccccccccccccccccc$				
400 + 160 + 20 = 580 4 x 145 = 580Find the product using Partial products.Find the product using Partial products.Find the product using Partial products.Find the product using Partial products.Find the product using Partial products.EXAMPLE:235 X _ 5348 X _ 41267 X _ 3	$4 \times 5 = 20$			400 + 120 + 2 = 522
Find the product using Partial products.  EXAMPLE:  235  156  Find the product using Partial products.  1267  1267  1267		100 + 25 = 125	300 + 120 + 6 = 426	
Find the product using Partial products.  EXAMPLE:  Partial products.  235  156  Find the product using Partial products.  Find the product using Partial products.  Find the product using Partial products.  1 2 6 7  1 2 6 7  1 2 6 7				
Partial products.  EXAMPLE:  235 156  Partial products.  Partial products.  Partial products.  Partial products.  1267  x	4 x 145 = 580			
Partial products.  EXAMPLE:  2 3 5  1 5 6  Partial products.  Partial products.  Partial products.  Partial products.  1 2 6 7  1 2 6 7  1 2 6 7	Find the product using	Find the product using	Find the product using	Find the product using Partial
EXAMPLE:       235       348       1267         156       x			,	
235 348 1267 156 x <u>5</u> x <u>4</u> x <u>3</u>	·		Tariai producis.	products.
156	L// UVII LL.	235	3 / 8	1247
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	154			V 3
■ ^ J ZI		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	^ 30	^ <u></u>
18 150 160 180	x <u>3</u>	150	140	180
150 + 1,000 + 1,200			The state of the s	
+ 300 + 300 + 3,000 + 3,000				_
1,1/3 4 6 8		1,1/3	1,372	
3,001	400			3,001