

3-4 Rounding Decimals

1) $0.\underline{6}3 \approx 0.6$ OR 0.60
approximately

2) $3.4\underline{6}72 \approx 3.47$
hundredths

5) $\$0.6\underline{1}9 \approx \0.62
hundredth (cents)

3) $8.\underline{4}6 \approx 8.5$
tenths

6) $3\underline{7}.784 \approx 38$
nearest whole #

4) $0.3\underline{9}82 \approx 0.4$
 $0.4\underline{0}$
hundredths

7) $23.4\underline{1}3 \approx 23.41$

4-3 Multiply with decimals

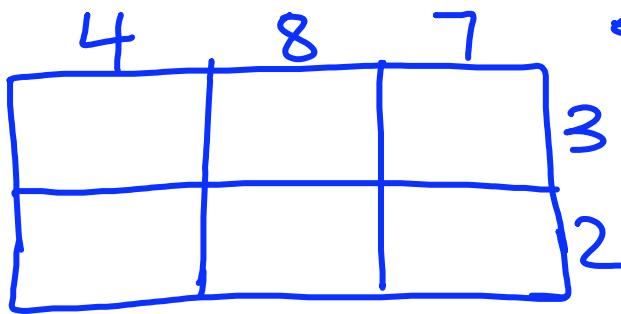
*USE LATTICE MULT. METHOD!

Ex) $\frac{1}{1} \overline{) 487} \times 32$

Estimate: $500 \times 30 = 15000$

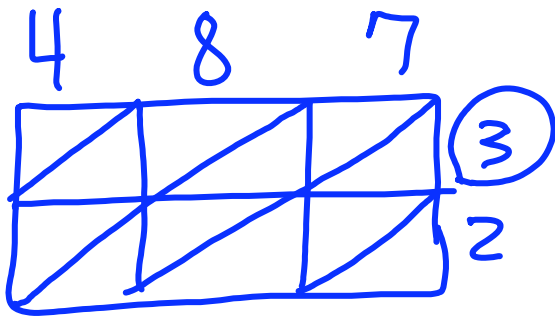
← # w/ most digits

→
Draw
Rectangle



← # w/ less
digits

create
box for
each #



← draw diagonal lines for each box, from corner to corner

Mult. each side # by each # on top.
Example: $7 \times 3 = 21$

	4	8	7			
1	1	2	2	1	3	
	0	8	1	6	1	2
5	5	8	4			

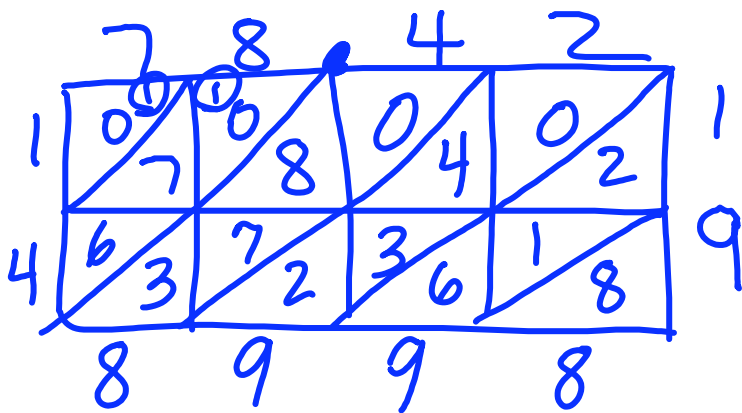
Add diagonals, carrying #s to next diagonal, if needed. (Add from rgt. to left.)

Answer is on left side + bottom

15,584 (check w/estimate)

* When mult. w/dec. \rightarrow mult. normally then count # of places behind dec. in both factors. Move that # of times to left in product.

① 19×78.42 Est. $20 \times 80 = 1600$



1,489.98

② 3.08×73

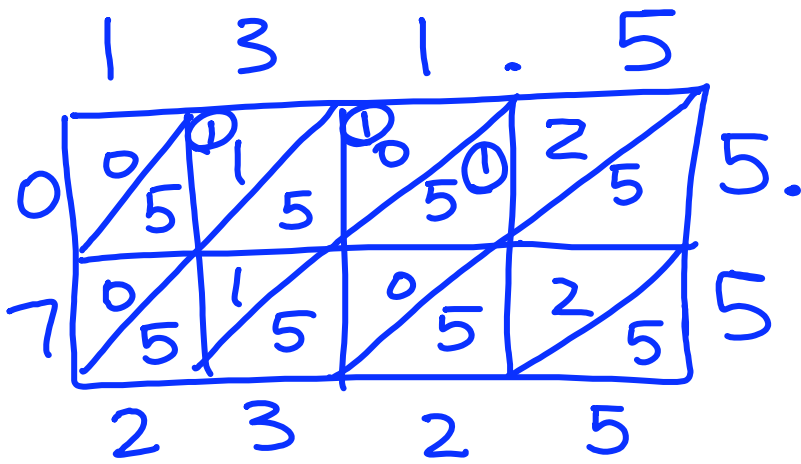
Est: $3 \times 70 = 210$

	3	.	0	8	
2	3	0	0	5	7
2	0	9	0	3	4
	4		8	4	

224.84

③ 131.5×5.5

Est. $100 \times 6 = 600$



723.25

④ 52.8×13.6

Est: $50 \times 10 = 500$
 may try $50 \times 14 = 700$

5 2 . 8

0	0	5	0	0	1
7	1	5	0	2	3
1	3	0	1	4	6
	8	0	2	8	

718.08