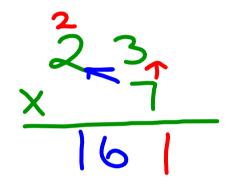
Warm Up Grade 8 Sept. 16

Multiply

a) 7 x 23



2-Digit by 1-Digit Multiplication (A)
Use the grid to help you multiply each pair of factors.

	ж	9
4	7	\neg
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		7	
7		5	9
5		ж	8
5	4	7	٦

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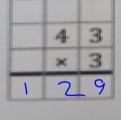
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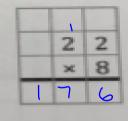
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KEY

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	9	7
	×	7
6	7	9

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1	
6	6
ж	3
9	8

	8	
	5	9
	×	9
5	3	1

3	
1	7
×	5
8	5

Math-Drills.Com

2-Digit by 2-Digit Multiplication (A) Use the grid to help you multiply each pair of factors.

KEY

3	× 2	8 4 8	2 1 0 2	
	× 5 7 2	7 8 0	2 7 4 0	The state of the s
3	6 6 2	9 4 3 4	1 7 7 0	
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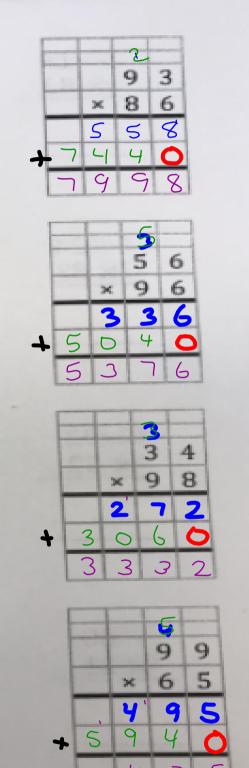
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- 1	× · ¬	4 4 8 6 4	4 2 8 0 8
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2	× 6	2 4 6 8 9	4 2 8 0

+	× 2	2 1 5 5	5 0 0
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6

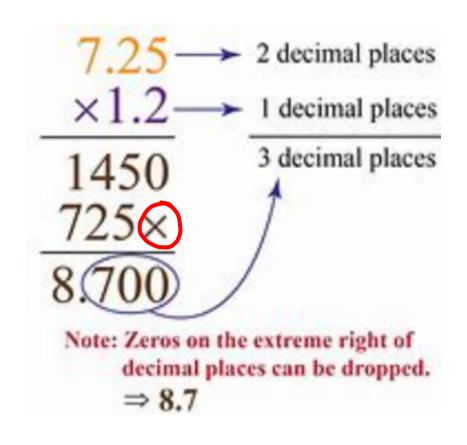
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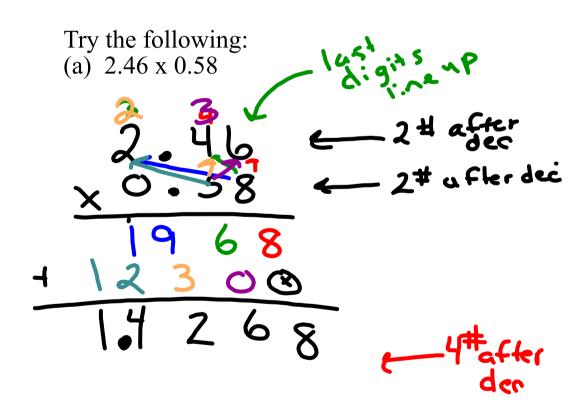


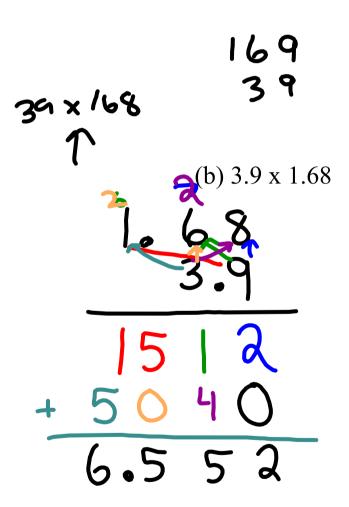
2-Digit by 2-Digit Multiplication (A) Name: Score: Date: Calculate each product. 3 14 52 93 82 77 × 65 , 465 5 5 8 0 × 60 $\times 11$ $\times 80$ $\times 83$ 4 2 1120 4920 6045 15 ٦ 13 × 18 \times 51 \times 61 15 352100 750 130 2 1 3 5 234 3 25 24 92 × 67 $\times 11$ × 65 \times 32 2 4 184 2 40 960 500 1500 1625 57 60

3-Digit by 2-Digit Multiplication (A) Key Name: Score: Date: Calculate each product. \times 54 $\times 79$ $\times 47$ $\times 80$ () O () 3 ² 977 4 4 989 11 11 $\times 81$ \times 55 ×,45 \times 32 , 284 43 965 8 192 11 3 2 3 \times 36 \times 57 \times 54 × 78 \times 38 1503U 46 176 1 1 × 87 $\times 15$

You multiply decimals the same way you multiply whole (LINE UP LAST NUMBER), IGNORE the decimal until the final answer but you have to remember to put the decimal in the proper position in your answer.







7.26 X 1.6 -1.3 -6 -1.3 -6 +7.2 6 \omega 11.6 1 6 You multiply decimals the same way you multiply whole, but you have to remember to put the decimal in the proper position in your answer.

Try the following: (a) 2.46 x 0.58

(b) 3.9 x 1.68

a) 121×0.7 $121_{x} = none$

X 0.7 = 1# after 8 4.7 = 1# after

b) 18.7 x 6.25 x 6.25 - 9 3 5 + 11 2 2 0 0 + 11 4 8 7 6

Multiplying decimals WS

Not all for Homework. We will work on this again tomorrow

- 4. Multiply.
 - a) 4.2×3.7
- **b)** 8.9×0.3
- c) 0.6×0.9
- **5.** A rectangular plot of land measures 30.5 m by 5.3 m. What is the area of the plot?

Estimate to check your answer is reasonable.

7. Assessment Focus An area rug is rectangular.

Its dimensions are 3.4 m by 2.7 m.

Show different strategies you can use

to find the area of the rug.

Which strategy is best? Justify your answer.



9. The fuel consumption estimates of Josie's car are:

City: 21.2 km/L

Highway: 23.3 km/L

The car's gas tank holds 40.2 L of fuel.

- a) How far could Josie drive on a full tank of gas on the highway before she runs out of fuel?
- b) How far could she drive on a full tank of gas in the city?

What assumptions did you make?

- **10.** Find the cost of each item at the Farmers' Market. Which strategy will you use? Justify your choice.
 - a) 4kg of apples at \$0.95/kg
 - b) 3.2 kg of potatoes at \$1.19/kg
 - c) 2.5 kg of herbs at \$2.48/kg
- **12.** a) Multiply 18×12 .
 - b) Use only the result from part a and estimation. Find each product.
 - i) 1.8 × 12
- ii) 18×0.12
- iii) 0.18×12
- iv) 0.18×0.12