

Date: \_\_\_\_\_

## Practice 2

## Multiplication by a 2-digit number

1 Multiply.

a  $15 \times 10 = \underline{\hspace{2cm}}$

b  $63 \times 10 = \underline{\hspace{2cm}}$

c  $76 \times 10 = \underline{\hspace{2cm}}$

d  $91 \times 10 = \underline{\hspace{2cm}}$

2 Find the missing numbers.

a  $5 \times 60 = 5 \times \underline{\hspace{2cm}}$  tens

b  $16 \times 20 = 16 \times \underline{\hspace{2cm}}$  tens

**M**  $= \underline{\hspace{2cm}}$  tens  
 $= \underline{\hspace{2cm}}$

**L**  $= \underline{\hspace{2cm}}$  tens  
 $= \underline{\hspace{2cm}}$

c  $33 \times 40 = 33 \times \underline{\hspace{2cm}}$  tens

d  $29 \times 30 = 29 \times \underline{\hspace{2cm}}$  tens

**E**  $= \underline{\hspace{2cm}}$  tens  
 $= \underline{\hspace{2cm}}$

**B**  $= \underline{\hspace{2cm}}$  tens  
 $= \underline{\hspace{2cm}}$

e  $41 \times 60 = 41 \times \underline{\hspace{2cm}} \times 10$

f  $96 \times 40 = 96 \times \underline{\hspace{2cm}} \times 4$

**A**  $= \underline{\hspace{2cm}} \times 10$   
 $= \underline{\hspace{2cm}}$

**N**  $= \underline{\hspace{2cm}} \times 4$   
 $= \underline{\hspace{2cm}}$

g  $618 \times 50 = 618 \times \underline{\hspace{2cm}} \times 10$

h  $752 \times 70 = 752 \times \underline{\hspace{2cm}} \times 7$

**U**  $= \underline{\hspace{2cm}} \times 10$   
 $= \underline{\hspace{2cm}}$

**R**  $= \underline{\hspace{2cm}} \times 7$   
 $= \underline{\hspace{2cm}}$

What goes up when the rain comes down?  
Match the letters to the answers below to find out.

                                                                                           
2460   3840   30900   300   870   52640   1320   320   320   2460

3 Find the product.

	a	b
i	$63 \times 10 = \underline{\hspace{2cm}}$	$786 \times 10 = \underline{\hspace{2cm}}$
ii	$16 \times 5 = \underline{\hspace{2cm}}$ $16 \times 50 = \underline{\hspace{2cm}}$	$137 \times 6 = \underline{\hspace{2cm}}$ $137 \times 60 = \underline{\hspace{2cm}}$
iii	$23 \times 4 = \underline{\hspace{2cm}}$ $23 \times 40 = \underline{\hspace{2cm}}$	$405 \times 9 = \underline{\hspace{2cm}}$ $405 \times 90 = \underline{\hspace{2cm}}$

4 Find the product.

a  $70 \times 800$

$$7 \times 8 = \underline{\hspace{2cm}}$$

$$7 \times 80 = \underline{\hspace{2cm}}$$

$$7 \times 800 = \underline{\hspace{2cm}}$$

$$\text{So } 70 \times 800 = \underline{\hspace{2cm}}.$$

b  $300 \times 90$

$$3 \times 9 = 27$$

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**5** Estimate the value of the following.

**a**  $67 \times 35 \approx 70 \times 40$   
 $70 \times 40 = 2800$

**b**  $61 \times 86 \approx$  \_\_\_\_\_  $\times$  \_\_\_\_\_  
 \_\_\_\_\_  $\times$  \_\_\_\_\_  $=$  \_\_\_\_\_

**c**  $872 \times 62 \approx$  \_\_\_\_\_  $\times$  \_\_\_\_\_  
 \_\_\_\_\_  $\times$  \_\_\_\_\_  $=$  \_\_\_\_\_

**d**  $709 \times 49 \approx$  \_\_\_\_\_  $\times$  \_\_\_\_\_  
 \_\_\_\_\_  $\times$  \_\_\_\_\_  $=$  \_\_\_\_\_

Now multiply. Your answers should be close to the estimates above.

**a**

x		6	7	
		3	5	
<hr/>				
		○	○	○
		○	○	○
		○	○	○
<hr/>				
		○	○	○
<hr/>				

**b**

x		6	1	
		8	6	
<hr/>				
		○	○	○
		○	○	○
		○	○	○
<hr/>				
		○	○	○
<hr/>				

**c**

x		8	7	2	
		6	2		
<hr/>					
		○	○	○	○
		○	○	○	○
		○	○	○	○
<hr/>					
		○	○	○	○
<hr/>					

**d**

x		7	0	9	
		4	9		
<hr/>					
		○	○	○	○
		○	○	○	○
		○	○	○	○
<hr/>					
		○	○	○	○
<hr/>					

- 6 Calculate. Then estimate to check whether your answer is reasonable.

Example	Working	Check: Is the Answer Reasonable?
$14 \times 18 = \underline{252}$	$\begin{array}{r} 14 \\ \times 18 \\ \hline 112 \\ 140 \\ \hline 252 \end{array}$	$14 \approx 10$ $18 \approx 20$ <b>Estimate:</b> $10 \times 20 = 200$ <b>Yes. 252 is reasonable.</b>

a  $48 \times 21 = \underline{\hspace{2cm}}$

b  $196 \times 34 = \underline{\hspace{2cm}}$

c  $608 \times 73 = \underline{\hspace{2cm}}$

d  $721 \times 54 = \underline{\hspace{2cm}}$
