



## Dear Family,

This week your child is learning to multiply two-digit numbers by two-digit numbers.

Your child is learning to multiply a two-digit number by another two-digit number, such as  $17 \times 38$ .

The area model below shows the number **17** as **10 + 7** at the left of the rectangle as its width and the number **38** as **30 + 8** along the top of the rectangle as its length. First, find the individual products that represent each individual area. Then add the products together to find the total area. The total area is the product of 17 and 38.

	<b>30</b>	+	<b>8</b>
<b>10</b>	$10 \times 30$ 1 ten $\times$ 3 tens = 3 hundreds <b>300</b>		
+			
<b>7</b>	$7 \times 30$ <b>210</b>		

## ACTIVITY Multiply By Two-Digit Numbers

Do this activity with your child to multiply two-digit numbers.

**Materials** timer or watch with a second hand

- Together with your child, think of things that can be counted in 1 minute, such as the number of times your heart beats or the number of breaths you take.
- Choose one idea. Have one person do the activity while the other person uses a timer or watch to time the activity for 1 minute.
- The person doing the activity counts how many. Count carefully. Stop counting when the person with the timer says "Stop!"  
For example, you might count the number of times your heart beats for 1 minute and count 72 beats.
- Have your child use that number to figure out how many could be counted in 15 minutes.  
For example, to find out the number of times your heart might beat in 15 minutes, your child would find:  $15 \times 72$ .
- Have your child multiply to find the answer.
- Switch roles and repeat the activity.

Look for other real-life opportunities to multiply two-digit numbers with your child.

