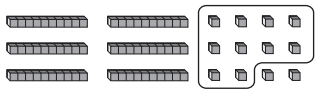
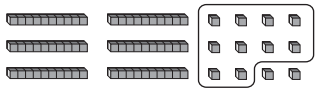
Name _____

Reteaching
6-3

Multiplying 2-Digit by 1-Digit Numbers

Here is how to multiply a 2-digit number by a 1-digit number using paper and pencil.

Find 3×24.	**What You Think**	**What You Write**
Step 1 Multiply the ones. Regroup if necessary.	 $3 \times 4 = 12$ ones Regroup 12 ones as 1 ten 2 ones.	$\overset{1}{24} \times 3 = 2$
Step 2 Multiply the tens. Add any extra tens.	 3×2 tens $= 6$ tens 6 tens $+ 1$ ten $= 7$ tens	$\overset{1}{24} \times 3 = 72$

Is your answer reasonable?

Exact answer: $3 \times 24 = 72$

Think: 24 is close to 25.

Estimate: $3 \times 25 = 75$ Since 72 is close to 75, the answer is reasonable.

Find each product. Estimate to check reasonableness.

1. 13×3

2. 17×7

3. 24×5

4. 48×8

5. 62×6

6. 36×5

7. 88×5

8. 52×8

9. Estimation Use estimation to decide which has the greater product: 81×6 or 79×5. _____

