

Name \_\_\_\_\_

TD Tue

# Multiply 2-Digit Numbers with Regrouping

Use place value to multiply with regrouping.

**Multiply.**  $7 \times 63$

**Step 1** Estimate the product.

$$7 \times 60 = 420$$

**Step 2** Multiply the ones. Regroup 21 ones as 2 tens 1 one. Record the 1 one below the ones column and the 2 tens above the tens column.

$$\begin{array}{r} 2 \\ 63 \\ \times 7 \\ \hline 1 \end{array}$$

$$7 \times 3 \text{ ones} = 21 \text{ ones}$$

**Step 3** Multiply the tens. Then, add the regrouped tens. Record the tens.

$$\begin{array}{r} 2 \\ 63 \\ \times 7 \\ \hline 441 \end{array}$$

$$44 \text{ tens} = 4 \text{ hundreds} \\ 4 \text{ tens}$$

$$7 \times 6 \text{ tens} = 42 \text{ tens}$$

Add the 2 regrouped tens.

$$42 \text{ tens} + 2 \text{ tens} = 44 \text{ tens}$$

So,  $7 \times 63 = 441$ . Since 441 is close to the estimate of 420, it is **reasonable**.

**Estimate. Then record the product.**

1. Estimate: _____  $\begin{array}{r} 42 \\ \times 6 \\ \hline \end{array}$	2. Estimate: _____  $\begin{array}{r} \$98 \\ \times 6 \\ \hline \end{array}$	3. Estimate: _____  $\begin{array}{r} 37 \\ \times 8 \\ \hline \end{array}$	4. Estimate: _____  $\begin{array}{r} \$54 \\ \times 9 \\ \hline \end{array}$
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5. Estimate: _____  $\begin{array}{r} 37 \\ \times 5 \\ \hline \end{array}$	6. Estimate: _____  $\begin{array}{r} 93 \\ \times 4 \\ \hline \end{array}$	7. Estimate: _____  $\begin{array}{r} 86 \\ \times 9 \\ \hline \end{array}$	8. Estimate: _____  $\begin{array}{r} 59 \\ \times 7 \\ \hline \end{array}$
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Wednesday: a - t  
Thursday: g - i

Name: \_\_\_\_\_

Multiplication: 3-Digit by 1-Digit

## Multiplication

Find the product.

a.

$$\begin{array}{r} 542 \\ \times \quad 7 \\ \hline \end{array}$$

b.

$$\begin{array}{r} 836 \\ \times \quad 5 \\ \hline \end{array}$$



c.

$$\begin{array}{r} 978 \\ \times \quad 3 \\ \hline \end{array}$$

d.

$$\begin{array}{r} 650 \\ \times \quad 9 \\ \hline \end{array}$$

e.

$$\begin{array}{r} 264 \\ \times \quad 6 \\ \hline \end{array}$$

f.

$$\begin{array}{r} 791 \\ \times \quad 8 \\ \hline \end{array}$$

g.

$$\begin{array}{r} 378 \\ \times \quad 4 \\ \hline \end{array}$$

h.

$$\begin{array}{r} 895 \\ \times \quad 7 \\ \hline \end{array}$$

i.

$$\begin{array}{r} \$746 \\ \times \quad 2 \\ \hline \end{array}$$

j.

$$\begin{array}{r} \$958 \\ \times \quad 9 \\ \hline \end{array}$$

- k. Isabelle wants to buy a new bicycle. She has saved \$9.76. Her mom tells her she needs to save 8 times that amount. How much money does Isabelle need in order to buy a bicycle? \_\_\_\_\_

- l. Henry bought movie tickets for himself and 6 of his friends. Each movie ticket cost \$7.85. How much money did Henry spend on tickets? \_\_\_\_\_