

# PRACTICE 3 MODELING DIVISION WITH REGROUPING

LISA CANNOT REMEMBER THE STEPS TO DIVIDE.  
HELP HER COMPLETE THE STEPS.

Example

1.

$$\begin{array}{r} 1 \\ 3 \overline{) 468} \\ \underline{300} \end{array}$$

→

$$\begin{array}{r} \square \\ 3 \overline{) 468} \\ \underline{\square\square\square} \\ \square 6 \square \end{array}$$

→

$$\begin{array}{r} \square\square \\ 3 \overline{) 468} \\ \underline{\square\square\square} \\ \square 6 \square \\ \underline{\square\square\square} \\ \square 8 \end{array}$$

→

$$\begin{array}{r} \square\square\square \\ 3 \overline{) 468} \\ \underline{\square\square\square} \\ \square 6 \square \\ \underline{\square\square\square} \\ \square 8 \\ \underline{\square\square} \\ \square \end{array}$$

2.

→

$$\begin{array}{r} \square \\ 4 \overline{) 936} \\ \underline{\square\square\square} \end{array}$$

→

$$\begin{array}{r} \square \\ 4 \overline{) 936} \\ \underline{\square\square\square} \\ \square 3 \square \end{array}$$

→

$$\begin{array}{r} \square\square \\ 4 \overline{) 936} \\ \underline{\square\square\square} \\ \square 3 \square \\ \underline{\square\square\square} \\ \square 6 \end{array}$$

→

$$\begin{array}{r} \square\square\square \\ 4 \overline{) 936} \\ \underline{\square\square\square} \\ \square 3 \square \\ \underline{\square\square\square} \\ \square 6 \\ \underline{\square\square} \\ \square \end{array}$$

**DIVIDE. THEN USE THE QUOTIENTS TO COMPLETE THE NUMBER PUZZLE.**

Down

**3.**  $2 \overline{) 798}$

**4.**  $3 \overline{) 849}$

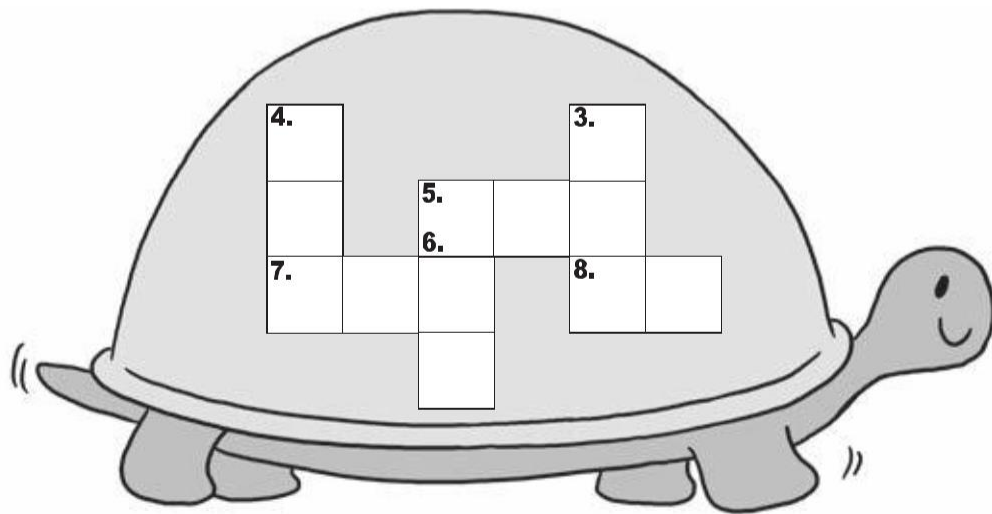
**5.**  $4 \overline{) 696}$

Across

**6.**  $5 \overline{) 695}$

**7.**  $2 \overline{) 754}$

**8.**  $4 \overline{) 372}$



**DIVIDE. THEN SOLVE THE RIDDLE.**

9.

$$\begin{array}{r} 2 \overline{) 346} \\ \hline \end{array}$$

S

$$\begin{array}{r} 4 \overline{) 760} \\ \hline \end{array}$$

T

$$\begin{array}{r} 3 \overline{) 489} \\ \hline \end{array}$$

U

$$\begin{array}{r} 5 \overline{) 855} \\ \hline \end{array}$$

E

$$\begin{array}{r} 3 \overline{) 870} \\ \hline \end{array}$$

M

$$\begin{array}{r} 4 \overline{) 528} \\ \hline \end{array}$$

P

$$\begin{array}{r} 5 \overline{) 705} \\ \hline \end{array}$$

K

$$\begin{array}{r} 3 \overline{) 375} \\ \hline \end{array}$$

R

Which pet makes the loudest noise?  
Match the letters to the quotients below to find out.

- \_\_\_\_\_
- 190      125      163      290      132      171      190

**DIVIDE.**

10.  $516 \div 2 : \underline{\hspace{2cm}}$

11.  $144 \div 3 : \underline{\hspace{2cm}}$

12.  $396 \div 4 : \underline{\hspace{2cm}}$

13.  $885 \div 5 : \underline{\hspace{2cm}}$

**LOOK AT THE STEPS FOR DIVIDING A 3-DIGIT NUMBER BY A 1-DIGIT NUMBER.**

*Example*

This shows the steps in division.

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
$\begin{array}{r} 1 \\ 5 \overline{) 695} \\ \underline{500} \\ 1 \end{array}$	$\begin{array}{r} 1 \\ 5 \overline{) 695} \\ \underline{500} \\ 195 \end{array}$	$\begin{array}{r} 13 \\ 5 \overline{) 695} \\ \underline{500} \\ 195 \\ \underline{150} \\ 4 \end{array}$	$\begin{array}{r} 13 \\ 5 \overline{) 695} \\ \underline{500} \\ 195 \\ \underline{150} \\ 45 \end{array}$	$\begin{array}{r} 139 \\ 5 \overline{) 695} \\ \underline{500} \\ 195 \\ \underline{150} \\ 45 \\ \underline{45} \\ 0 \end{array}$

**WRITE A NUMBER FOR EACH INSTRUCTION BOX TO MATCH THE INSTRUCTION WITH THE CORRECT STEP FOR DIVISION. THE FIRST ONE HAS BEEN DONE FOR YOU.**

Divide the hundreds by 5.

Step 1

Divide the ones by 5.

Step

Divide the tens by 5.

Step

Regroup the remaining hundreds.  
Add the tens and ones.

Step

Regroup the remaining tens. Add the ones.

Step

**COMPLETE THE DIVISION.**

14.

STEP 1	STEP 2	STEP 3	STEP 4	STEP 5
$4 \overline{) 752}$	$4 \overline{) 752}$	$4 \overline{) 752}$	$4 \overline{) 752}$	$4 \overline{) 752}$
	→	→	→	→

**THEN WRITE THE STEPS, USING THE EXERCISE ON PAGE 53 AS A GUIDE.**

Step 1 \_\_\_\_\_  
\_\_\_\_\_

Step 2 \_\_\_\_\_  
\_\_\_\_\_

Step 3 \_\_\_\_\_  
\_\_\_\_\_

Step 4 \_\_\_\_\_  
\_\_\_\_\_

Step 5 \_\_\_\_\_  
\_\_\_\_\_