UNIT 3

STUDENT BOOK 8 LESSON

Dividing a 3-Digit Number by a 1-Digit Number

Quick Review

At Home At School

To divide 158 by 4, you can subtract multiples of 4.

Choose any multiple of 4 less than 158. Start with 40.

Subtract 40 from 158.	Then subtract 80.	Then subtract 36.	Add the side numbers.
$4\overline{)158}$	$4\overline{)158}$	$4\overline{)158}$	$4\overline{)158}$
$-\ 40$ 10	$-\ 40$ 10	$-\ 40$ 10	$-\ 40$ 10
118	118	118	118
	$-\ 80$ 20	$-\ 80$ 20	$-\ 80$ 20
	38	38	38
		$-\ 36$ 9	$-\ 36$ 9
		2	2
			$10 + 20 + 9 = 39$

$4\overline{)158}$ is 39 with 2 left over.

Try These

1. Divide. Show your work.

a) $3\overline{)246}$ **b)** $5\overline{)187}$ **c)** $4\overline{)861}$ **d)** $6\overline{)358}$

_____ _____ _____ _____

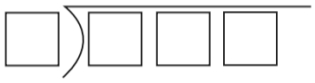
Practice

1. Divide.

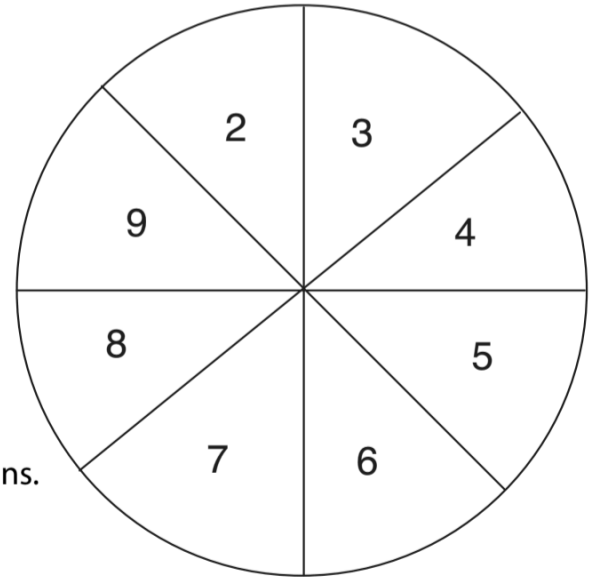
a) 467 ÷ 3 = _____ **b)** 184 ÷ 8 = _____ **c)** 462 ÷ 9 = _____

2. Play this game with a partner.
You will need:
1 Base Ten unit cube or other small object

➤ Both players draw a division grid like this one:



➤ Players take turns dropping the cube onto the numbered circle with their eyes closed. In any box on the grids, both players record the number on which the cube landed.
➤ Continue until all the boxes on the grids are full.
➤ Divide.
The player with the greater answer wins.
Play 5 more games.



Stretch Your Thinking

Suppose you are playing the game above.
Where on your grid should you record a 9? Explain.

_____

_____