Name \_

## **Divide by 2-Digit Divisors**

(I Can) divide by 2-digit divisors.

Florida's B.E.S.T.

- Number Sense & Operations 5.NSO.2.2
- Algebraic Reasoning 5.AR.2.3
- Mathematical Thinking & Reasoning MTR.5.1, MTR.6.1, MTR.7.1



## 🔡 UNLOCK the Problem Real



Mr. Yates owns a smoothie shop. To mix a batch of his famous orange smoothies, he uses 18 ounces of freshly squeezed orange juice. Each day he squeezes 560 ounces of fresh orange juice. How many batches of orange smoothies can Mr. Yates make in a day?

 Underline the sentence that tells you what you are trying to find.

• Circle the numbers you need to use.



Estimate.

**STEP 1** Use the estimate to place the first digit in the quotient.

18)560

The first digit of the quotient will be in the

STEP 2 Divide the tens.

56 tens ÷ 18

Multiply.

Check. 2 tens cannot be shared among 18 groups without regrouping.

STEP 3 Divide the ones. Write the remainder as a fraction.





Since 31 is close to the estimate of 30, the answer is reasonable. So, Mr. Yates can make 31 batches of orange smoothies each day.

Apply mathematics to 7.1 real-world contexts.

Describe what the remainder 2 represents.

## **Example**

Every Wednesday, Mr. Yates orders fruit. He has set aside \$1,250 to purchase Valencia oranges. Each box of Valencia oranges costs \$41. How many boxes of Valencia oranges can Mr. Yates purchase?

You can use multiplication to check your answer.

Divide. 1.250 ÷ 41



**CHECK YOUR WORK** 

Estimate.

So, Mr. Yates can buy \_\_\_\_ boxes of Valencia oranges.

Try This! Divide. Write your remainder as a fraction. Check your answer.



63)756

22)46,921