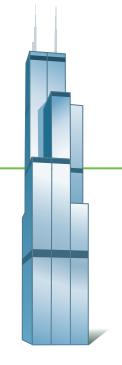
# **Estimate with 2-Digit Divisors**

( | Can ) use compatible numbers to estimate quotients.

MIR You can estimate quotients using compatible numbers that are found by using basic facts and patterns.

$$35 \div 5 = 7 \iff \text{basic fact}$$
  
 $350 \div 50 = 7$   
 $3,500 \div 50 = 70$   
 $35,000 \div 50 = 700$ 



Florida's B.E.S.T.

MTR.7.1

Number Sense & Operations 5.NSO.2.2 Mathematical Thinking & Reasoning

MTR.3.1, MTR.4.1, MTR.5.1, MTR.6.1,

## UNLOCK the Problem

The observation deck of a skyscraper in Chicago, Illinois, is 1,353 feet above the ground. Elevators lift visitors to that level in 60 seconds. About how many feet do the elevators travel per second?

**Estimate.** 1,353 ÷ 60



Use two sets of compatible numbers to find two different estimates.

### STEP 2

Use patterns and basic facts to help estimate.

The elevators travel about \_\_\_\_\_ to \_\_\_\_ feet per second.

The more reasonable estimate is \_\_\_\_\_ because

is closer to 1,353 than is.

So, the observation deck elevators in the skyscraper travel

about feet per second.

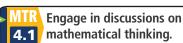
### **Example** Estimate money.

Miriam saved \$650 to spend during her 18-day trip to Chicago. She doesn't want to run out of money before the trip is over, so she plans to spend about the same amount each day. Estimate how much she can spend each day.



**Estimate.** 18)\$650

So, Miriam can spend about \_\_\_\_\_\_ to \_\_\_\_\_ each day.



Would it be more reasonable to have an estimate or an exact answer for this example? Explain your reasoning.

• MTR Which estimate do you think is the better one for Miriam

to use? Explain your reasoning.

### Try This! Use compatible numbers.

Find two estimates.

52)415

Estimate the quotient.

Math

Talk

38)\$2,764

### **Share and Show**



Use compatible numbers to find two estimates.

$$160 \div 20 =$$