



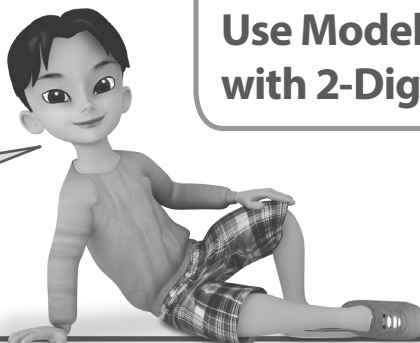
## Additional Practice 5-3

### Use Models to Divide with 2-Digit Divisors

#### Another Look!

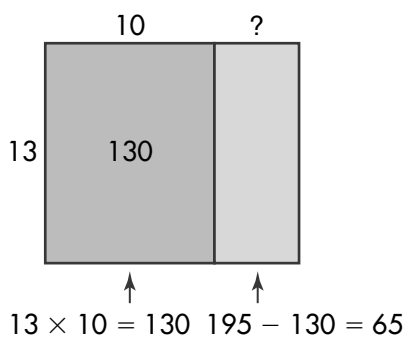
Hal's store just got a shipment of 195 cans of soup. Hal wants to divide the cans equally on 13 shelves. How many cans should he put on each shelf?

Are there enough cans for 10 in each group?  
For 20 in each group?



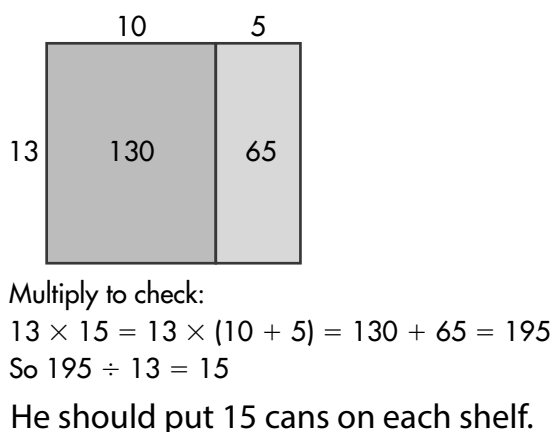
#### Step 1

Divide the tens. Record.



#### Step 2

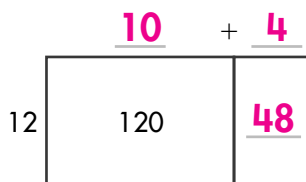
Divide the ones. Record.



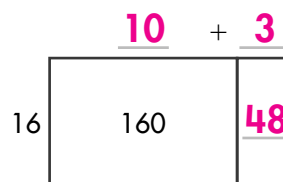
In **1** and **2**, use the diagram to find each quotient.

Check students' work.

1.  $12 \overline{)168}$   
14



2.  $16 \overline{)208}$   
13



In **3–8**, use grid paper or draw a picture to find each quotient.

3.  $420 \div 14$   
30

4.  $385 \div 11$   
35

5.  $744 \div 24$   
31

6.  $675 \div 27$   
25

7.  $558 \div 18$   
31

8.  $228 \div 19$   
12



9. Anna has  $10^2$  quarters. Jazmin has  $10^2$  dimes. Who has more money, Anna or Jazmin? How much more? Explain your reasoning.

**Anna has \$15 more. Sample answer: Both girls have  $10^2$  or 100 coins, but each of Anna's coins is worth \$0.15 more than each of Jazmin's. Compute  $0.15 \times 100$ .  $0.15 \times 100 = 15$ .**

### 10. Make Sense and Persevere

A 208-yard-long road is divided into 16 parts of equal length. Mr. Ward paints a 4-yard-long strip in each part. How long is the unpainted strip of each part of the road?

**9 yards**

What steps do you need to solve to find the answer?

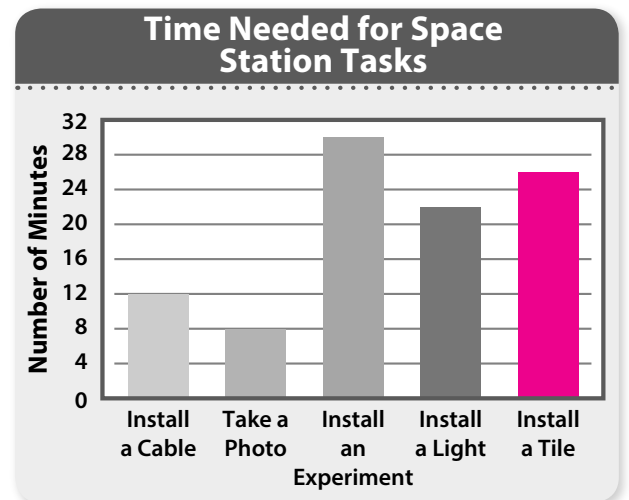


11. Use the bar graph. Astronauts installed 15 new tiles on the outside of the space station. They spent 390 minutes on the task. Each tile took the same amount of time to install. Draw a bar in the graph to show the time needed to install a tile. Explain.

**Check students' graphs. Sample answer: Find  $15 \overline{)390} = 26$  minutes.**

12. How much longer does an astronaut take to install a light than to install a cable?

**10 minutes**

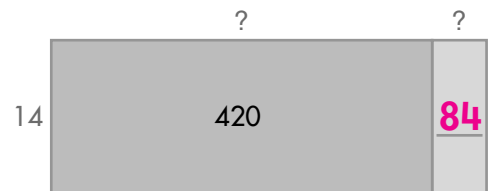


13. **Higher Order Thinking** A rectangular poster has an area of 504 square centimeters. The width of the poster is 14 centimeters. How long is the poster? Write equations to show your work.

**$14 \times 30 = 420$ ;  $504 - 420 = 84$ .**

**$14 \times 6 = 84$ ;  $84 - 84 = 0$ .**

**$30 + 6 = 36$ . The poster is 36 cm long.**



### Assessment Practice

14. Which is 540 divided by 30?

(A) 17  
(B) 18  
(C) 170  
(D) 180

15. Which is 391 divided by 17?

(A) 23  
(B) 24  
(C) 230  
(D) 240