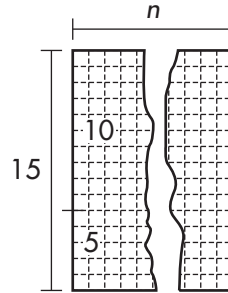


Connecting Models and Symbols

Divide 345 by 15.



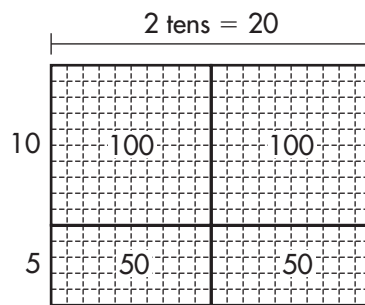
Construct a model and write an equation

$$345 \div 15 = n \text{ or } 15 \times n = 345$$

Step 1:

Divide the tens place.
15 goes in to 34 two times,
so add two tens (20) to
your area model.

What You Think



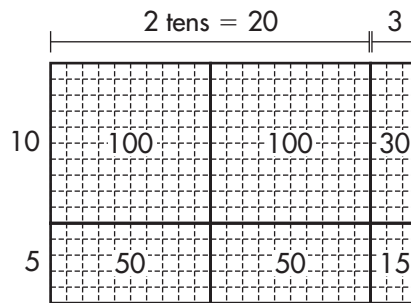
What You Write

$$\begin{array}{r} 2 \\ 15 \overline{) 345} \\ \underline{-30} \\ 4 \end{array}$$

Step 2:

Divide the ones place.
15 goes into 45 three
times, so add three ones to
your area model.

What You Think



What You Write

$$\begin{array}{r} 23 \\ 15 \overline{) 345} \\ \underline{-30} \downarrow \\ 45 \\ \underline{-45} \\ 0 \end{array}$$

$345 \div 15 = 23$

Use models to help you divide.

1. $12 \overline{) 228}$

2. $20 \overline{) 940}$

3. $15 \overline{) 390}$

Name _____

Connecting Models and Symbols

Use arrays, area models, or draw a diagram to help you solve.

1. $10 \overline{)210}$ _____

2. $31 \overline{)217}$ _____

3. $13 \overline{)845}$ _____

4. $34 \overline{)204}$ _____

5. $12 \overline{)720}$ _____

6. $21 \overline{)640}$ _____

Complete each division problem. You may use area models or draw pictures to help.

7.
$$\begin{array}{r} \square \square \\ 14 \overline{)210} \\ - \square \square \\ \hline \square 0 \\ - \square \square \\ \hline \square \end{array}$$

8.
$$\begin{array}{r} \square \square \\ 19 \overline{)228} \\ - \square \square \\ \hline \square 8 \\ - \square \square \\ \hline \square \end{array}$$

9. If \$1000 is divided equally among twelve people, about how much will each person receive?

A \$92.00

B \$83.00

C \$91.00

D \$87.00

10. Write a story problem using a 3-digit dividend, a 2-digit divisor, and a 2-digit quotient. Draw a picture or use a model to help you illustrate the problem.
