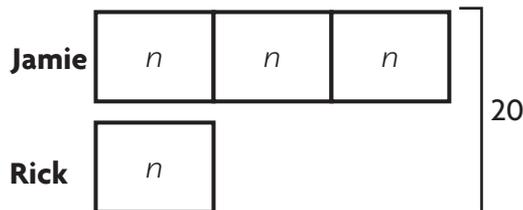


Comparison Problems

Jamie has 3 times as many baseball cards as Rick. Together, they have 20 baseball cards. How many cards does Jamie have?

Step 1 Draw a box with the letter n in it to show that Rick has an unknown number of cards. Jamie has 3 times as many cards as Rick, so draw three identical boxes to represent Jamie's cards.



Step 2 Use the model to write an equation.

Think: There are 4 equal boxes. The number in each box is represented by n .

There are a total of 20 cards. So, $\underline{4} \times n = \underline{20}$.

Step 3 Solve the equation to find the value of n .

Think: 4 times what number is 20?

Since $4 \times \underline{5} = 20$, the value of n is $\underline{5}$.

Rick has $\underline{5}$ cards.

Step 4 Find how many cards Jamie has.

Think: Jamie has 3 times as many cards as Rick.

So, Jamie has $3 \times \underline{5} = \underline{15}$ baseball cards.

Draw a model. Write an equation and solve.

1 Maddie has 2 times as many stickers on her notebook as Meg. Together, they have 15 stickers. How many stickers are on Maddie's notebook?

2 How many more stickers are on Maddie's notebook than on Meg's notebook?