



Annie has 12 marbles.

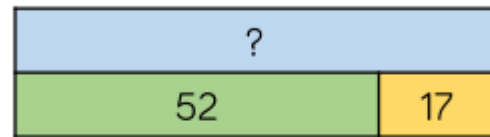
Ron has 13 marbles more than Annie.

How many marbles do they have altogether?

What digits could go in the boxes?

$$\square 2 + \square 5 = 87$$

Amir has been asked to complete the bar model.



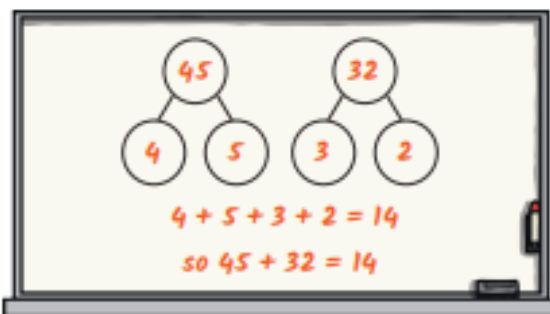
The whole is 78
because $5 + 2 = 7$
and $1 + 7 = 8$

Explain to Amir what he has done wrong. How could you help him work out the correct total?

Asma calculates the answer to this addition.

$$45 + 32$$

She works it out like this:



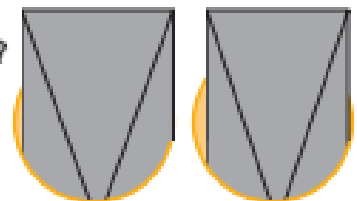
Do you agree with her answer? Explain why.



Show Asma how to find the correct answer using a part-whole model.

Then, show Asma how she could have checked her answer using a different method.

Choose two of these numbers to add together.



How many different totals can you make?
What is the greatest number you can make?
What is the smallest number you can make?

Annie has 33 stickers.

Dexter has 54 stickers.

How many more stickers does Dexter have?

What method did you use to solve the problem?

Find the missing numbers.

$$\begin{array}{r} 6 \square \\ - 2 \square \\ \hline 42 \end{array}$$

Is this the only possible solution? Explain your answer.

Make the numbers using Base 10 to help you find your answer.

Amy has used base ten blocks to calculate this subtraction:

54 - 21

$54 - 21 = 54$

Amy has made a mistake.

Explain what she has done wrong.

Draw base ten blocks to show Amy what she should have done and use them to find the answer.



What is the rule for the function machine?
Explain how you know.

54 33
99 78
65 44
72 51
27 6

Create your own function machine that subtracts a 2-digit number.

