

APPLY IT

Use what you just learned to solve these problems.

- 6 An animal shelter has 7 dogs. Then the shelter gets 4 more dogs. Some dogs go home with a family. Now the shelter has 9 dogs. How many dogs go home with a family? Show your work.



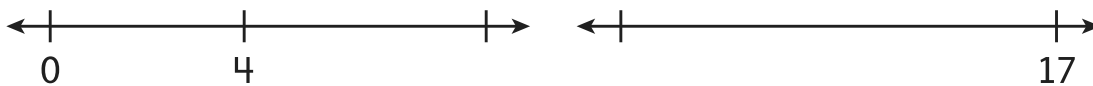
Solution

- 7 Complete the number lines to solve this problem.

Ria puts 4 daisies and 5 roses in a vase. Then she puts some tulips in the vase. Now there are 17 flowers in the vase. How many tulips did Ria put in the vase?

Step 1:

Step 2:



Ria put tulips in the vase.

- 8 Which equations could you use to help you solve this problem? Choose all that apply.

Cole has 5 shells. He finds 10 more shells. Then some shells break. Now Cole has 9 shells. How many shells broke?

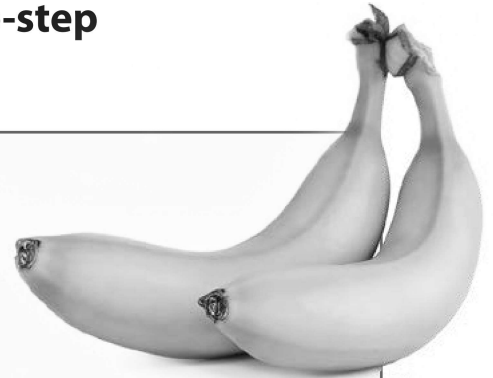
- (A) $10 + 5 = 15$
- (B) $10 - 5 = 5$
- (C) $15 - 9 = 6$
- (D) $6 + 10 = 16$
- (E) $10 - 9 = 1$

Practice More Ways to Solve Two-Step Problems

Study the Example showing one way to solve two-step word problems. Then solve problems 1–5.

EXAMPLE

There are 8 bananas on the kitchen counter. Jayden takes 3 bananas. Then his grandmom puts 4 bananas on the counter. How many bananas are on the counter now?

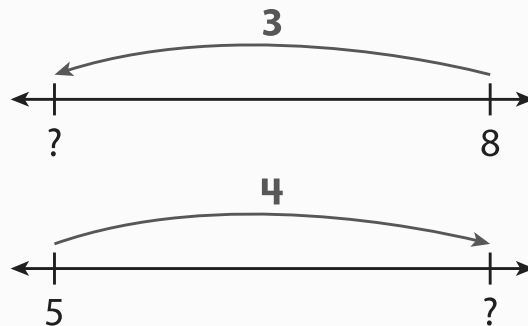


Step 1: 8 bananas – 3 bananas

There are 5 bananas on the counter after Jayden takes some.

Step 2: 5 bananas + 4 bananas

There are 9 bananas on the counter now.



- 1 Look at the Example. Then complete the equations to show Step 1 and Step 2.

Step 1: $8 - \dots = \dots$

Step 2: $\dots + 4 = \dots$

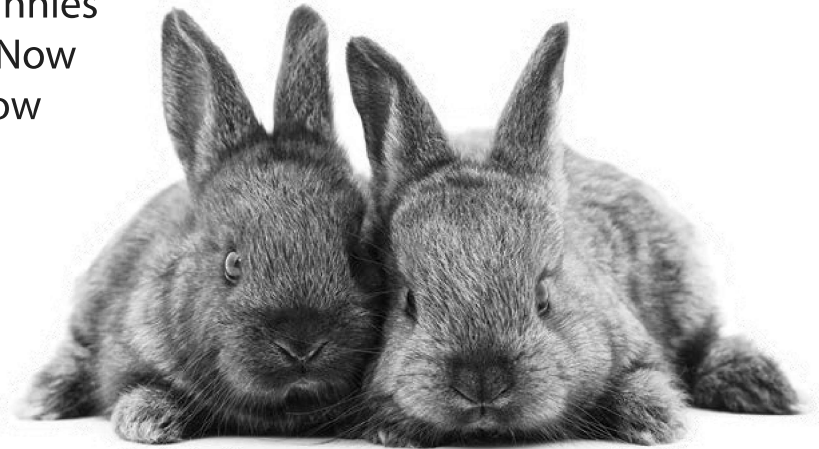
- 2 Think about the Example. Could you do Step 2 first? Explain.

- 3 There are 9 players on the field. Then 6 more players join them on the field. The players make two teams. There are 8 players on one team. How many players are on the other team? Show your work.

Solution

- 4 Jim sees 11 bunnies in a field. 4 bunnies leave. Some other bunnies arrive. Now Jim sees 13 bunnies in the field. How many bunnies arrived?

- (A) 6
- (B) 7
- (C) 8
- (D) 9



- 5 Look at problem 4. Jim now sees 14 bunnies instead of 13 bunnies in the field. He says you can use the same Step 1 to find out how many bunnies arrived. Is he correct? Would Step 2 change? Explain.

Refine Solving Two-Step Word Problems

Complete the Example below. Then solve problems 1–9.

EXAMPLE

Aba has 12 cards and Raul has 0 cards. Aba gives Raul some of her cards. Now Aba has 9 cards. How many more cards does Aba have than Raul?

Look at how you can show your work.

Aba starts with 12 cards and ends with 9 cards.

$$12 - ? = 9$$

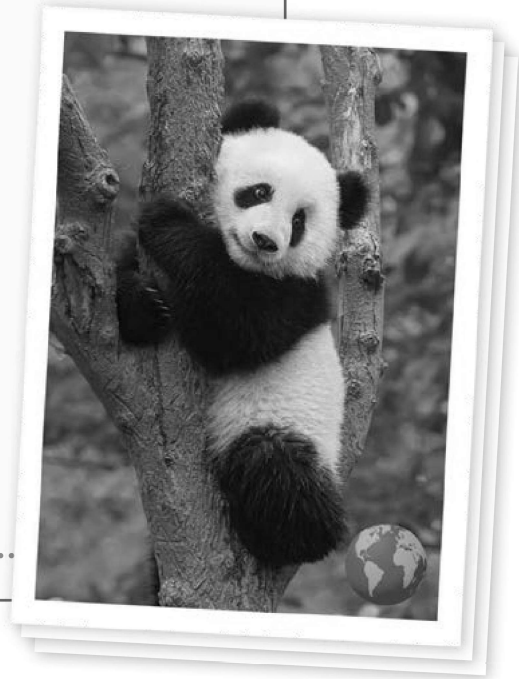
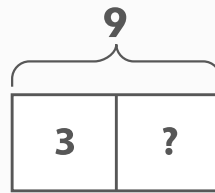
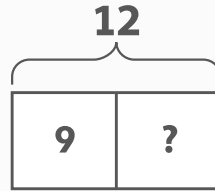
$$12 - 3 = 9$$

So, Raul has 3 cards.

Aba has 9 cards. Raul has 3 cards.

$$9 - 3 = ?$$

$$9 - 3 = 6$$



Solution

APPLY IT

- 1 There are 6 toys in a box. Kateri takes 2 toys out of the box. Then she puts 8 toys into the box. How many toys are in the box now? Show your work.

Try acting out the problem.



Solution