Common Core Coach Mathematics 2



First Edition | triumphlearning

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Lesson I Problem Solving: Addition

★ You can **add** to solve word problems. The numbers you add are **addends**. The answer is the **sum**.

Draw groups and put them together to find how many in all.

Example I

Melanie has 7 marbles.

Diego has 12 marbles.

How many marbles do Melanie and Diego have in all?

7 + I2 =



Melanie and Diego have _____ marbles in all.

★ Write an equation to solve an addition word problem.
Use a symbol, such as or ▲, to stand for a missing number.

Example 2

Yuri has 35 buttons.

Ann gives him a bag with 30 more buttons.

How many buttons does Yuri have now?

35 + 30 =



Example 3

Zoey and Kevin collect coins.

Zoey has 40 more coins than Kevin has.

Kevin has 38 coins.

How many coins does Zoey have?

Zoey has **40 more** coins than Kevin. So **add 40** to Kevin's number to find Zoey's number.

Write and solve an equation.

Kevin's number Zoey's number plus 40 equals 38 40 +=40 = 10 + 10 + 10 + 10Add 10 to make 40. 38 + 10 = 4848 + 10 = 5858 + 10 = 6868 + 10 = 78So 38 + 40 = Zoey has _____ coins.

★ Use a drawing to show that two addends are joined together to make the sum.

Example 4

Kayla has some stamps.

Liam has 63 stamps.

Kayla and Liam have 83 stamps in all.

How many stamps does Kayla have?

$$+ 63 = 83$$



Start with the addend you know: Liam's 63 stamps

Add 10. 63 + 10 = 73Add 10 more. 73 + 10 = 83

So
$$63 + 20 = 83$$
.

$$|2 | + 63 = 83$$

Kayla has _____ stamps.

 \star Sometimes word problems have more than one step.

Example 5

Austin had 12 blue blocks and 3 red blocks.

His dad gave him some more blocks.

Now Austin has 45 blocks.

How many blocks did Austin's dad give him?



Austin's dad gave him _____ blocks.



Maya has 27 puzzle pieces.

Jason has 50 more puzzle pieces than Maya. How many puzzle pieces does Jason have?

27 + 50 =

Use models to show the puzzle pieces.



Practice

Ruby had some toys. She got 20 more toys. Now she has 54 toys in all. How many toys did Ruby have to start?

+ 20 = 54

2 Kent plays the organ for 45 minutes.He has lunch and plays for 30 more minutes.How long does Kent play the organ?

45 + 30 =

Lily collected 39 seashells.
 Sue collected some seashells, too.
 In all, they collected 89 seashells.
 How many seashells did Sue collect?

39 + 89

Serge had 24 model cars and 8 model trucks. His uncle gives him 20 more model cars and trucks. How many model cars and trucks in all does Serge have now?

$$24 + 8 =$$

5 SOLVE Lauren had 22 stamps. She bought 30 more stamps. Then her friend gave her 6 stamps. How many stamps does Lauren have in all?

Write equations and solve the problem. Show your work.