

Second Grade Math

This packet includes four sections that cover the major content of 2nd grade math. Each section includes multiple pages of notes and practice for each topic. For additional support, visit KCS TV on YouTube for instructional videos that accompany each section.

The following content is included in this packet:

Topic				
I. Geometry	II. Represent Addition and Subtraction Problems	III. Use Place Value to Add and Subtract	IV. Addition and Subtraction with Length	
Identify shapes and attributes	Add using words, pictures, equations, or objects	Add and subtract with two-digit numbers	Compare lengths	
Tiling Rectangles	Subtract using words, pictures, equations, or objects	Add and subtract with three-digit numbers	Word problems with lengths	
Halves, Thirds, and Fourths			Match word problems with equations	

Activity Set 2: Represent with words, pictures, equations, or objects to solve addition/subtraction problems

A cart has 14 books. There are 6 on the bottom shelf. The rest are on the top shelf. How many books are on the top shelf?

You can use a tape diagram.



Write what you know.

Write a number sentence. Solve.

$$14 - 6 = ?$$

 $14 - 6 = 8$

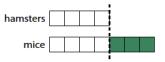
There are 8 books on the top shelf.

Maya has 4 hamsters and some mice. She has 3 fewer hamsters than mice. How many mice does Maya have?

Think about what you know.

There are **3 fewer hamsters** than mice. That means there are **3 more mice** than hamsters.

Draw a picture.



Write a number sentence. 4 + 3 = 7

Maya has 7 mice.

Add 8 + 5.

Think of a number path. Start at 8. Add 2 to make 10.

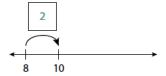


You need to add 3 more.

$$5 = 2 + 3$$

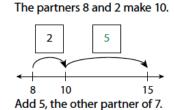
So, 8 + 5 = 13.

Example



$$8 + 7 = ?$$

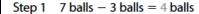
 $8 + 2 + 5$



So,
$$8 + 7 = 15$$
.

Example

There are 7 balls in the gym closet. Then 3 balls are taken out. After class, 9 balls are returned. How many balls are in the closet now?



Step 2
$$4 \text{ balls} + 9 \text{ balls} = 13 \text{ balls}$$

Answer: There are 13 balls in the closet now.





There are 8 apples and some bananas on the counter. Someone buys 3 apples. Now there are 4 more bananas than apples. How many bananas are there?

Step 1 8 apples – 3 apples

Step 2 There are 5 apples.
There are 4 more bananas than apples.

Answer: There are 9 bananas.



Practice

Show how to solve 12 – 5 with both models. 3 2 10 12 – 5 =	7 = \[-9 \] 4 + \[-3 = 8 \]	16 6 fewer 15 9		
	Math the word proble	em to the correct equation		
Myra has 14 beads. There are	and solve.			
6 white beads. The rest are	Carla had 8 pencils. She put some in a box and has pencils left. How many pencils did Carla put in the box?			
green. How many green beads does Myra have?				
Use the tape diagram to show	Omar had some baseball card			
the problem. Then write two	gave 8 cards to a friend and had cards left. How many baseball cards did Omar have before he gave some away?			
number sentences.				
	On Monday, Lexi's family drov to the beach and then they dr	rove		
	miles did they drive on Mond			
=	Mona has two pails. She puts shells in each pail. How many are in the two pails?			
=+	There are 6 books on the top	16.11		
Answer:	many more books are on the shelf than the top shelf?	0 - 5		
Tara has 7 points. She gets 6 more on her next turn. On her last turn, she loses points. She ends with 9 points. How many points did Tara				
lose on her last turn? Show your work.				
2.12.1,2.2.1.2.2.2.				
Answer:		_		

