Grade 2 Module 3 Application Problems

EngageNY
&
Eureka Math
Grade 2
Module 3

Application Problems

(2.NBT.1a*, 2.NBT.1b*, 2.NBT.2*, 2.NBT.3*, 2.NBT.4*)

Directions to the teacher:
- Don't print this cover sheet. Only print the remaining pages.
- Each student will receive all the application problems in a single packet. Staple one of the lower corners...not the top corner.
- Each day, students will cut off the next application problem and glue into their math journal.

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Lesson	Problem
1	none
2	Ben and his dad have sold 60 chocolate chip cookies at the school bake sale. If they baked 100 cookies, how many cookies do they still need to sell?
3	Kinnear decided that he would bike 100 miles this year. If he has biked 64 miles so far, how much farther does he have to bike?
4	At his birthday party, Joey got $100 from each of his two grandmothers, $40 from his dad, and $5 from his little sister. How much money did Joey get for his birthday?
5	Freddy has $250 in ten dollar bills. a. How many ten dollar bills does Freddy have? b. He gave 6 ten dollar bills to his brother. How many ten dollar bills does he have left?
6	Timmy the monkey picked 46 bananas from the tree. When he was done, there were 50 bananas left. How many bananas were on the tree at first?
7	Billy found a briefcase full of money. He counted up 23 ten dollar bills, 2 hundred dollar bills, and 4 one dollar bills. How much money was in the briefcase?
8	Stacey has $154. She has 14 one dollar bills. The rest is in ten dollar bills. How many ten dollar bills does she have?
9	Sarah earns $10 each week for weeding the garden. If she saves all of the money, how many weeks will it take her to save up $150?

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10	Jerry is a second grader. He was playing in the attic and found an old, dusty trunk. When he opened it, he found things that belonged to his grandfather. There was a cool collection of old coins and bills in an album. One bill was worth $1,000. Wow! Jerry lay down and started daydreaming. He thought about how good it would feel to give as many people as he could a ten dollar bill. He thought about how he had felt on his birthday last year when he got a card from his uncle with a ten dollar bill inside. But even more, he thought about how lucky he felt one snowy, cold day walking to school when he found a ten dollar bill in the snow. Maybe he could quietly hide the ten dollar bills so that lots of people could feel as lucky as he did on that cold day! He thought to himself, "I wonder how many ten dollar bills are equal to a thousand dollar bill? I wonder how many people I could bring a lucky day to?"
11	Samantha is helping the teacher organize the pencils in her classroom for the teacher. She finds 41 yellow pencils and 29 blue pencils. She threw away 12 that were too short. How many pencils are left in all?
12	How many packages of 10 cookies can Collette make using 124 cookies? How many cookies does she need to complete another package of 10?
13	Sarah's mom bought 4 boxes of crackers. Each box had 3 smaller packs of 10 inside. How many crackers were in the 4 boxes?
14	A second grade class has 23 students. What is the total number of fingers of the students?
15	none
16	At recess Diane skip-roped 65 times without stopping. Peter skip-roped 20 times without stopping. How many more times did Diane skip-rope than Peter?

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17	Walking on the beach on Tuesday, Darcy collected 35 rocks. The day before, she collected 28. How many fewer rocks did she collect on Monday than on Tuesday?
18	For an art project, Daniel collected 15 fewer maple leaves than oak leaves. He collected 60 oak leaves. How many maple leaves did he collect? After guiding the students through the RDW process, let them analyze some work. Here are some suggested questions based on the drawings to the right. How does the number sentence relate to the drawing? How does the first drawing relate to the second drawing? What did the student who drew the number disks do to start the problem? Could the person who drew the number bonds also have started with making both the oak and maple leaves equal? Can you see that equality in both pictures?
19	Mr. Palmer's second grade class is collecting cans for recycling. Adrian collected 362 cans, Jade collected 392 cans, and Isaiah collected 562 cans. a) How many more cans did Isaiah collect than Adrian? b) How many less cans did Adrian collect than Jade?
20	399 jars of baby food are sitting on the shelf at the market. Some jars fall off and break. 389 jars are still on the shelf. How many jars broke?
21	Rahim is reading a really exciting book! He's on page 98. If he reads 10 pages every day, what page will he be on in 3 days?