

Grade 2 Module 6 Application Problems

EngageNY  
&  
Eureka Math  
Grade 2  
Module 6  
Application Problems

(2.OA.3<sup>F</sup>, 2.OA.4<sup>\*</sup>, 2.G.2<sup>@</sup>)

**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                                                                                                                                                                                                                                                                                                |
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| 1      | <p>Julisa has 12 stuffed animals. She wants to put the same number of animals into each of 3 baskets. Draw a picture to show how she can put the animals into 3 equal groups. Then complete the sentence.</p> <p>Julisa can put ____ animals into each basket.</p>                                     |
| 2      | <p>Mayra sorts her socks by color. She has 4 purple socks, 4 yellow socks, 4 pink socks, and 4 orange socks. Draw groups to show how Mayra sorts her socks. Then write an addition sentence to match. How many socks does Mayra have in all?</p>                                                       |
| 3      | <p>Markers come in packs of 2. If Jessie has 6 packs of markers, how many markers does she have in all?</p> <p>a. Draw groups to show Jessie's packs of markers.</p> <p>b. Write a repeated addition sentence to match your drawing.</p> <p>c. Group addends into pairs and add to find the total.</p> |
| 4      | <p>The flowers are blooming in Maria's garden. There are 3 roses, 3 buttercups, 3 sunflowers, 3 daisies, and 3 tulips. How many flowers are there in all?</p> <p>a. Draw a tape diagram to match the problem.</p> <p>b. Write a repeated addition sentence to solve.</p>                               |
| 5      | <p>Mrs. White is in line at the bank. There are 4 teller windows, and 3 people are standing in line at each window.</p> <p>a. Draw an array to show the people in line at the bank.</p> <p>b. Write the total number of people.</p>                                                                    |
| 6      | <p>Sam is organizing her greeting cards. She has 8 red cards and 8 blue cards. She puts the red ones in 2 columns and the blue ones in 2 columns to make an array.</p> <p>a. Draw a picture of Sam's greeting cards in the array.</p> <p>b. Write a statement about Sam's array.</p>                   |

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| 7  | <p>Bobby puts 3 rows of tile in his kitchen to make a design. He lays 5 tiles in each row.</p> <p>a. Draw a picture of Bobby's tiles.</p> <p>b. Write a number sentence to solve for the total number of tiles Bobby used.</p>                                                                                                                                          |
| 8  | <p>Charlie has 16 blocks in his room. He wants to build equal towers with 5 blocks each.</p> <p>a. Draw a picture of Charlie's towers.</p> <p>b. How many towers can Charlie make?</p> <p>c. How many more blocks does Charlie need to make equal towers of 5?</p> <p>d. Draw a picture of a different way Charlie could make equal towers using exactly 16 blocks.</p> |
| 9  | none                                                                                                                                                                                                                                                                                                                                                                    |
| 10 | <p>Sandy's toy telephone has buttons arranged in 3 columns and 4 rows.</p> <p>a. Draw a picture of Sandy's telephone.</p> <p>b. Write a number sentence to show the total number of buttons on Sandy's telephone.</p>                                                                                                                                                   |
| 11 | <p>Ty bakes two pans of brownies. In the first pan he cuts 2 rows of 8. In the second pan he cuts 4 rows of 4. Draw a picture of Ty's brownie pans.</p> <p>a. Write a number sentence to show the total number of brownies in each pan.</p> <p>b. How many brownies did Ty bake altogether? Write a number sentence and a statement to show your answer.</p>            |
| 12 | <p>Lulu made a pan of brownies. She cut them into 3 rows and 3 columns.</p> <p>a. Draw a picture of Lulu's brownies in the pan.</p> <p>b. Write a number sentence to show how many brownies Lulu has.</p> <p>c. Write a statement about Lulu's brownies.</p> <p>Extension: How should Lulu cut her brownies if she wants to serve 12 people? 16 people? 20 people?</p>  |

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| 13 | <p>Ellie bakes a square pan of 9 lemon bars. Her brothers eat 1 row of her treats. Then her mom eats 1 column.</p> <p>a. Draw a picture of Ellie's lemon bars before any are eaten. Write a number sentence to show how to find the total.</p> <p>b. Write an X on the bars that her brothers eat. Write a new number sentence to show how many are left.</p> <p>c. Draw a line through the bars that her mom eats. Write a new number sentence to show how many are left.</p> <p>d. How many bars are left? Write a statement.</p> |
| 14 | none                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 15 | <p>Rick is filling his muffin pan with batter. He fills 2 columns of 4. One column of 4 is empty. Draw to show the muffins and the empty column. Then write a repeated addition sentence to tell how many muffins Rick makes and how many muffin cups there are in the pan.</p>                                                                                                                                                                                                                                                     |
| 16 | <p>Rick is baking muffins again. He filled 3 columns of 3, and left one column of 3 empty. Color the pan to show what the muffin pan looked like. Write a repeated addition sentence to tell how many muffins he makes and how many muffin cups are in the whole pan.</p>                                                                                                                                                                                                                                                           |
| 17 | <p>Seven students sit on one side of a lunch table. Seven more students sit across from them on the other side of the table.</p> <p>a. Draw an array to show the students.</p> <p>b. Write an addition sentence that matches the array.</p> <p>Three more students sit down on each side of the table.</p> <p>c. Draw an array to show how many students there are now.</p> <p>d. Write an addition sentence that matches the new array.</p>                                                                                        |
| 18 | <p>Eggs come in cartons of 12. Use pictures, numbers, or words to explain whether 12 is even or not even.</p>                                                                                                                                                                                                                                                                                                                                                                                                                       |

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| 19 | Eggs come in cartons of 12. Joanna's mom used 1 egg. Use pictures, numbers, or words to explain whether the amount left is even or odd.                                                                                                                                                                                                            |
| 20 | <p>Mrs. Boxer has 11 boys and 9 girls at a Grade 2 party.</p> <ol style="list-style-type: none"><li>Write the number sentence to show the total number of people.</li><li>Are the addends even or odd?</li><li>Mrs. Boxer wants to pair everyone up for a game. Does she have the right number of people for everyone to have a partner?</li></ol> |