



Here is a bank of problems that I have used with my second graders over the past couple years. My students know to choose their own numbers for each problem and put the first number on the first line and the second number on the second line. Sometimes I recommend numbers for particular students but they often do a good job of choosing numbers that will appropriately challenge them.

These problems are sorted by operation and problem type but I tend to present a variety of problems to my students so that my students develop a comprehensive understanding of each of the operations and the relationships between the operations.

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Addition and Subtraction Problems

Braden and Weston were looking for four leaf clovers. Braden found ___ four leaf clovers and Weston found ___ four leaf clovers. How many four leaf clovers did Braden and Weston find? How many leaves did they find? (18, 15) (94, 37) (797, 803) (804,526, 407,637)

Jordyn brought ___ cans of food to our classroom for donation. Kayla brought ___ cans of food to our room also. How many more cans of food did Jordyn bring than Kayla? (6, 4) (18, 7) (63, 59) (938, 672)

At the wrestling tournament Cash had ___ takedowns. Tyce had ___ takedowns. Who had more, and how many more takedowns than the other boy? (7, 10) (23, 19) (198, 404) (2,102, 4,204)

Jocelyn has ___ Cat Cards. Brooklyn has ___ more Cat Cards than Jocelyn. How many Cat Cards does Brooklyn have? (5, 8) (36, 45) (378, 139) (998,715, 23,598)

Kayla and her brother frosted all of the cookies that their mom made for the party. Kayla decorated ___ cookies. Her brother decorated ___ cookies. How many cookies will there be? (26, 30) 26, 41) (56, 38) (56, 85) (213, 49) (213, 109) (296, 450)

Riley brought ___ caterpillars to school. At school her friend, Jordyn, gave her more caterpillars. Now Riley has ___ caterpillars. How many caterpillars did Jordyn give Riley? (8, 15) (11, 30) (83, 102) (3,690, 5,001)

Gye vani read ___ books in the morning. That afternoon, Gye vani read more books. At the end of the day Gye vani had read ___ books total. How many books did Gye vani read that afternoon? (2, 9) (21, 40) (127, 311) (43,998, 80,100)

Logan went hiking in the woods. In the morning he hiked ___ miles. That afternoon he hiked more. That night he figured he hiked ___ miles. How many miles did Logan hike that afternoon? (4, 10) (29, 67) (381, 928) (3,561, 7,000)

On Oswaldo's vacation to the rainforest, he saw ___ young gorillas eating bananas. All of a sudden, a group of adult gorillas joined their young! Then Oswaldo saw ___ gorillas altogether! How many adult gorillas joined their young? (4, 10) (11, 23) (39, 81) (497, 1,001)

Kaycee had ___ Iowa State stickers. Her mom gave her ___ more Iowa State stickers. How many Iowa State stickers does Kaycee have now? (5, 8) (26, 49) (98, 233) (327, 584)

Ava did ___ math problems one morning. That afternoon she did ___ math problems in the afternoon. How many math problems did Ava do that day? (8, 9) (38, 47) (489, 311) (6,435, 7,465)

Javan caught ___ footballs at the morning recess. At the noon recess Javan caught ___ more footballs. How many footballs did Javan catch in both recesses? (6, 7) (18, 22) (69, 39) (243, 527)

At school one morning, Jocelyn earned ___ Cat Cards for good character! That afternoon, Jocelyn earned ___ Cat Cards for good character! How many Cat Cards did Jocelyn earn that whole day? (2, 9) (17, 8) (44, 15) (1,398, 8,202)

One morning, Jypsie found ___ caterpillars. That night she found ___ more. How many caterpillars did Jypsie find? (3, 4) (13, 14) (83, 44) (472, 224)

Before Christmas dinner, Sam wrestled his cousin ___ times. After Christmas dinner Sam wrestled his cousin ___ times. How many times did Sam wrestle his cousin on Christmas? (2, 9) (23, 68) (149, 499) (802, 1,203)

At the beginning of the school year Javan had some friends. As the school year went on, Javan made ___ friends. By the end of the school year, Javan had ___ friends. How many friends did Javan have at the beginning of the school year? (7, 18) (39, 98) (74, 150) (3,781, 5,980)

There were ___ kids who needed help on their computers. Levi helped ___ kids. How many kids still need help on their computers? (12, 8) (21, 19) (200, 148) (845, 179)

Our class planted ___ flowers this spring. We gave away flowers and now we have ___ flowers. How many flowers did we give away? (33, 19) (92, 49) (475, 174) (45,721, 6,825)

Riley brought ___ caterpillars to school. At school her friend, Jordyn, gave her more caterpillars. Now Riley has ___ caterpillars. How many caterpillars did Jordyn give Riley? (8, 15) (11, 30) (83, 102) (3,690, 5,001)

Yatziri had ___ hair ties. She lost ___ of them. How many hair ties does Yatziri have left? (11, 5) (29, 13) (84, 68) (409, 288)

Coen had ___ books from the library at his house. He read ___ books and took them back. How many library books does Coen still have at his house? (13, 11) (26, 19) (82, 68) (449, 393)

Multiplication and Division Problems

Peyton P. did ___ pages of math problems. ___ math problems were on each page. How many math problems did Peyton P. do? (4, 5) (8, 10) (9, 13) (11, 16)

Jordyn has ___ pages of kitten stickers in her sticker book. She has ___ kitten stickers on each page. How many kitten stickers does Jordyn have in her sticker book? (6, 5) (9, 12) (19, 21) (200, 45)

Austin was on vacation for ___ days. He rode his four-wheeler each day ___ times. How many times did Austin ride his four-wheeler on vacation? (5, 6) (7, 10) (14, 16) (16, 999)

Ava's dog Addie is ___ years old in human years. One human year is the same at 7 dog years. How many dog years old is Addie? (2) (6) (16) (32)

Cade wrote in his diary for ___ days in a row. He wrote ___ words each day. How many words did Cade write in his diary? (2, 9) (7, 5) (17, 10) (40, 11)

Keaon had ___ sheets of paper. He drew ___ pictures on each sheet of paper. How many pictures did Keaon draw? (4, 10) (4, 12) (9, 15) (10, 55)

Kesara had ___ jewelry boxes. She had ___ rings in each jewelry box. How many rings does Kesara have? (3, 5) (4, 6) (6, 11) (8, 17)

Teo had ___ rocks. He shares them equally with ___ friends. How many rocks will each friend get? (4, 2) (18, 3) (48, 8) (60, 5)

Brooklyn has ___ hermit crabs in her habitat. She has ___ pieces of a banana to feed them. How many pieces of banana will each hermit crab get? (3, 9) (5, 25) (4, 92) (9, 181)

Base Ten Problems

Andrew has ___ cups. He puts ___ ice cubes in each cup. How many ice cubes does he use? (2, 10) (4, 10) (12, 10) (23, 10)

Braden had ___ pencils. He can fit ___ pencils in each pencil box. How many pencil boxes will be completely full? (20, 10) (87, 10) (392, 10) (839, 10)

Peyton A. had ___ Girl Scout cookies. ___ Girl Scout cookies fit onto a plate. How many full plates will Peyton A. have? (40, 10) (23, 10) (82, 20) (820, 20)

Teo has ___ pencils. ___ pencils fit into each box. How many boxes of pencils can Teo fill? And how many extra pencils will he have that won't fill a box? (23, 10) (94, 10) (396, 10) (34,925, 10)

Fraction Problems

Ethan brought ___ key lime pies to school. Ethan has ___ buddies. How much pie will each buddy get if Ethan shares the pies equally? How much pie will 2 buddies get? (2, 4) (3, 4) (4, 3) (6, 5)

Trent has ___ fields and it takes ___ of a bag of corn seed to plant one field. How many bags of corn seed will need to plant all of his fields? (6, $\frac{1}{2}$) (16, $\frac{3}{4}$) (88, $1\frac{1}{4}$) (599, $2\frac{2}{3}$)

Austin brought a pan of Rice Krispy treats to share equally with his friends on the bus. There are ___ children and Austin has ___ Rice Krispy treats. How many Rice Krispy treats will each child get equally? (4, 13) (12, 8) (6, 20) (3, $6\frac{1}{2}$)

Teo had ___ friends over and ordered ___ pizzas. He wants each friend to get the same amount of pizza. How much pizza does each friend get? (3, 10) (5, 16) (8, 90) (18, 11)

Riley brought ___ brownies to school. She wants to share them equally with ___ children. How many brownies will each child get? How many brownies will 2 of the children get? (21, 4) (63, 6) (166, 5) (416, 6)

Tyce wants to give his friends bananas for a snack. There are ___ children and Tyce wants to give them each ___ of a banana. How many bananas does Tyce need? (6, $\frac{1}{2}$) (6, $\frac{1}{4}$) (6, $\frac{3}{4}$) (11, $2\frac{2}{3}$)