

Kindergarten-Part B Mathematics CRT

Note: These problems are not in a developmentally appropriate sequence. However, it is important for students to experience problems such as these, even if they cannot yet read them themselves. To use any or all of the problems you may need to create individual worksheets.

1. Mice in The Meadow

Three mice in the meadow. How many ears in all?

2. Cupcakes

There are 6 children in our class. If someone brings in 12 cupcakes to celebrate a birthday how many cupcakes will each child get?

3. Pumpkins

Five little pumpkins sitting on a gate. They each have 2 's for eyes and 1  for a nose. How many  in all?

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4. Gingerbread Men

I have 5 gingerbread men. I want to use raisins for the eyes. How many raisins do I need?

5. Favorite Sandwich

Mary's favorite sandwich is a peanut butter and jelly. She eats one everyday this week at school. How many sandwiches did Mary eat this week?

6. Goldilock's Next Adventure

Papa Bears always have large bowls. Mama Bears always have medium bowls. Baby Bears always have small bowls. When Goldilocks entered the house she saw 4 large bowls, 3 medium bowls, and 2 small bowls. How many bears lived at the house? Show the bears that lived there.

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7. Rabbits

If there were 10 rabbits and 2 rabbits could share a carrot, how many carrots would we need?

8. Cookies to Share

Joey brought in 8 cookies to eat for snack. There are 16 kids in his class. How can they share the cookies equally?

9. Fair Share

Three dinosaurs were sharing 10 leaves. What would a fair share for each dinosaur be?

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10. Eyes

Half of our Kindergartners have blue eyes. How many children have blue eyes?

11. Pizza For Two

Do you like pizza? Show how you and a friend could share a round pizza equally.

12. Pizza For Four

Do you like pizza? Show how you and 3 friends could share a square pizza equally.

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13. Pizza For Six

Do you like pizza? Show how you and 5 friends could share a rectangular shaped pizza equally.

14. Popsicle-stick Shapes

Sue has 19 popsicle-sticks. She wants to make 5 square shapes. Can Sue make her 5 squares if she uses her 19 sticks?

15. Dinosaurs

Give each child a cup of dinosaurs. Tell them that before they can play with the dinosaurs they need to show what they discovered about them.

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16. Hatching Chicks

It takes 21 days for our chicks to hatch. If today is day 11, how many more days until our chicks will hatch?

17. Sidewalk Patterns

Suzie has yellow and green chalk. She makes 12 squares on the sidewalk using a yellow and green pattern. What will her pattern look like?

18. Mittens on a Line

We are going to hang some mittens on a line. The first mitten is red, the second mitten is green, the third mitten is yellow, and the fourth mitten is red. The mittens continue in this pattern. What color will the 6th mitten be?

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19. Beanie Baby Beds

Anna has 10 Beanie Babies. She and her mom have decided to make beds for them. Each bed will hold 2 Beanie Babies. How many beds will Anna and her mom have to make?

20. Pattern Train

Using 3 pattern blocks make a train. Show which one is a car. Ask, “What would your train look like if your train had 3 cars?”

21. Rock Collecting

Pat loves to collect rocks and looks for rocks every day. On the first day she found a little rock. On the second day she found a big rock. On the third day she found a little rock. If this pattern continues, what size rock will Pat collect on the 10th day?

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22. Flowers

You are planting flowers in a garden. You are planting in a pattern. The first is yellow, then red, then orange. If you continue this pattern what color will the 10th flower be?

23. Farmer Fred

Farmer Fred wants to line up his 10 chicks and 10 ducks for a parade around the barnyard. He wants them to be in a pattern. What could the line look like?

24. Zoo

We went to the zoo and saw a tiger, a lion, and a giraffe. Which is your favorite animal? Ask 10 other children their favorite animal. How can you show the class's favorite animal?

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25. Surveys

Mrs. Brown is allergic to cats. We need to find out how many kids have cats at home. How can we organize to do this? (Other survey questions to do with the class: How many brothers, sisters, like pizza, want juice or milk.)

*Provide clipboards and have 1 student per day do the survey.

26. Tom's Blocks

Tom has a big tub of pattern blocks. Each of you can grab a handful. I want to know what shapes are in your hand. How can you show which shapes you have?

27. Painting

I want to paint my wall with triangles and squares. I use more triangles than squares. What would my wall look like?

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28. Sorting with Blocks

Close your eyes and pick out 8 pattern blocks. Now, open your eyes and put the blocks in groups. Explain your answer.

29. The Bakery

My best pal and I went to the bakery. We bought 4 cookies to eat. How many are there each for my pal and me?

30. Rods for Roads

The town road crew is going to build 2 roads of the same length. Use the Cuisinaire rods to show two different roads of the same length. Which road uses more rods?

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31. Broken Necklace

My sister just broke Mom's necklace. She is putting it back together by putting red beads, green beads, and blue beads on the string in a pattern. What will the next 6 beads on the string look like?