



SOUTH DAKOTA

COURTS

CGI Problems

Four Different Word Problems
Dealing with Remainder

2nd Grade

1. Layne went to the grocery store. He bought 33 items and wanted to put 5 items in a cart. How many carts will Layne need?
2. At Easter, Zeb's dad hid 33 eggs. There are 5 children hunting to get the same amount of eggs to be fair. How many eggs will still be hiding?

3rd Grade

1. My sister gave her son 33 pieces of candy to divide with 5 of his friends. How many pieces of candy will each one get equally?
2. I have 33 feet of gum. I am going to share it with 5 students. If all the gum was handed out, how much will the students get?
3. Joan has 33 miles to bike. She has 5 hours to complete the task. How many miles will she bike in one hour?
4. There were 33 students in the 3rd grade class going on a field trip. They were riding 5 students per van. How many students per van?
5. The softball team is going to the state tournament. Since parents are driving their own cars, each car can hold 5 players. How many cars are needed to take 33 players?
6. Baseball caps at the ballgame cost \$5 each. If you brought \$33 to the game, how many caps could you buy for your family members at home?
7. Grandma likes collecting $\frac{1}{2}$ dollar coins. She wants each of her 5 grandchildren to have the same amount of coins. How many coins will she have left so that her grandchildren get the most shared coins they can?
8. The football team is having a tug of war. On one side of the rope is 33 feet. If players want to place themselves evenly across the rope, how many feet are between each?

4th Grade

1. Five friends are sharing 33 pieces of candy. What is the most amount of candy that each friend can have if they each get the same amount?
2. Our class has 33 students. We are going on a field trip. How many cars do we need if 5 students can fit in each car?
3. Five friends are sharing 33 cookies. If all cookies are eaten, how much will each child get?
4. I have 33 inches of ribbon that needs to be shared by 5 students. If all the ribbon is used, how much will each student receive?
5. I have 33 inches of ribbon. Each student needs 5 inches of ribbon for art. How much ribbon will I have left?
6. There are 33 tennis balls on the court. 5 balls can fit in each can. How many cans will be completely full after all the balls are picked up?
7. Using the numbers in problem 6, how many cans would it take to hold all of the balls?
8. Using the numbers in problem 6, how many balls would be in the 7th can?
9. What fraction shows how full the cans are in problem #7?
10. There are 33 pies left over at the bake sale. 5 people divided all the pies to take home. How much pie did each person take home?
11. Mom made 33 cookies. She put 5 cookies in a bag. How many bags of 5 will she have?
12. Joe had 33 pieces of gum. He divided them equally among 5 friends. How many pieces did he have left for himself?
13. A class has 33 students. Pencils are bought in packages of 5. How many packages will need to be purchased in order to give every student one pencil?
14. Sarah had 33 inches of ribbon. If she cuts the ribbon into 5 equal pieces, how many inches long will each piece be?

5th Grade

1. Mrs. Smith wanted to take 33 students to the circus. At the circus there was an elephant ride. The elephant could carry 5 people each time he gave a ride. What is the least amount of rides the elephant could give if every student rode 1 time?
2. Mrs. Smith had a pizza party for her 33 students. She had promised that they would each get to eat at least 5 pieces of pizza. Now Mrs. Smith needs your help deciding what is the least amount of pizzas she should order.
3. Mrs. Smith had a bag with 33 pieces of candy in it. If she divided them evenly between her 5 students and ate what was remaining, how many pieces did Mrs. Smith get to eat?
4. 33 students wanted to ride the roller coaster. 5 students could fit in each car. How many cars did they need?
5. The 5th grade had 33 feet of rope. They wanted to make 5 double dutch ropes. How long would each rope be?
6. Sally had 33 marbles. She wanted to share with her 4 friends. How many marbles would each of the 5 friends receive? How many marbles would be left over?
7. There are 33 students in the class. The teacher divided them into groups of 5. How many groups would there be?
8. The teacher brought 33 Easter pencils to school. She had 5 students. If she divided the pencils equally among the students, how many pencils would she have left?
9. We received 33 inches of snow during 5 months last year. What is the average amount of snow for the 5 months?
10. You have 33 tennis balls. Five tennis balls fit in each can. How many full cans of tennis balls would you have?
11. There are 33 students in your class. You are buying packages of candy bars to bring for treats. The candy bars come 5 in a package. How many packages would you buy to have enough so everyone gets a candy bar?
12. There are 33 students in class. The teacher brings pizza as a reward. She brings pizzas cut into fifths. Each student gets one piece. How many whole pizzas will be eaten? What part of another pizza will be eaten?
13. Damon had 33 pennies. He wanted to play a game and give himself and four friends an equal amount to start with. How many are left over?

5th Grade

14. There are 33 marbles in a jar. To play the game, each of the 5 students needed an equal amount of marbles. How many marbles would each player receive?
15. I have 33 horses that need to go to the sale barn. However, I can only fit 5 horses in each trailer. How many horse trailers will I need?
16. Mom is making bread. She starts with 33 cups of flour. After dividing the flour into 5 equal separate bowls, how much flour does each bowl have?
17. My dad and I are sorting cows from the pasture. There are 33 cows and 6 pens available. Each pen can hold 5 cows. If I fill every pen to capacity, how many cows will remain in the pasture?
18. There are 33 cows to sell. We can only haul 5 at a time to the stockyards. How many trips are we going to make?
19. The team scored 33 points at the basketball game. The 5 starters all scored the same points. What is the most that the starters each scored?
20. There are 33 pizzas for the class party. There are 5 classes in school. How many pizzas need to be put equally in each room?
21. There are 33 cups of ice cream. If we need 5 pints to serve a class, how many classes can we serve?
22. For the field trip, 5 students could go in each car. How many cars are needed if there are 33 students?
23. What is the least number of math problems 5 students each can do out of 33 problems?
24. If 5 students can each have 6 pieces of gum from a total of 33 pieces. How many pieces are left for me?
25. If there are 33 ounces of soda for 5 students, what is the exact amount of ounces each would receive?
26. The 33 baseball fans are riding to the championship game. If the vehicles they ride in will hold 5 people, how many vehicles are needed?
27. Jane has 33 cents. Bubble gum cost 5 cents apiece. How many pieces of gum can Jane buy?
28. Sue has 33 meters of material to make 5 flags. What will the length of each flag be?
29. I have 33 stickers that I want to give to each of my 5 friends. How many stickers will I be able to keep for myself?