Word Problems

1. Maya baked a cake and divided it into 8 equal pieces. Each slice represents 1/8 of the whole cake. If she wants to share the cake equally among 4 friends, how many slices will each friend receive?

Ans:

2. Ethan has a 12-foot-long rope that he wants to cut into pieces measuring 1/6 feet each. How many 1/6-foot pieces can Ethan make from the whole rope?

Ans:

3. A construction worker needs to fill a container with sand. He has a 20-pound bag of sand, and each scoop of sand weighs 1/4 of a pound. How many scoops of sand can he fill from the bag?

Ans:

4. A swimming pool is being filled with water using a hose. The hose fills 1/3 of a gallon per minute. If the pool needs 6 gallons of water to be filled completely, how many minutes will it take to fill the pool?

Ans:

5. A farmer has a field that is 24 acres in size. He wants to divide the field into smaller plots, each measuring 1/8 of an acre. How many 1/8-acre plots can the farmer create in the entire field?

Ans:

6. Sophie has a 15-ounce bag of chocolate chips and wants to divide it equally among 5 batches of cookies. If each batch requires 1/3 of an ounce of chocolate chips, how many batches can Sophie make from the whole bag?

Ans:

7. A car can travel 48 miles on a gallon of gas. If the car has 3/4 of a gallon of gas left, how many miles can it travel with the remaining fuel?

Ans:

8. Jacob wants to evenly distribute 16 pens among his classmates. If each classmate receives 1/5 of a pen, how many classmates can Jacob give a pen to?

Ans:

9. Emma has a rectangular garden that measures 24 feet in length. She wants to divide the garden into equal sections using stakes, with each section measuring 1/6 of a foot. How many sections can she create across the length of the garden?

Ans:

10. A bakery uses 2/3 cup of sugar to make a batch of cookies. If the bakery has 18 cups of sugar available, how many batches of cookies can they make?

Ans:

11. Sarah has a 10-pound bag of flour and wants to divide it equally among 4 recipes. If each recipe requires 1/2 pound of flour, how many recipes can Sarah make from the whole bag?

Ans:

12. A construction crew needs to lay 30 feet of pipe. If each section of pipe measures 1/5 of a foot, how many sections of pipe do they need?

Ans:

13. A toy store has a bin of 36 marbles. If each package contains 1/4 of a marble, how many packages can the store create from the entire bin?

Ans:

14. Tim wants to evenly distribute 15 apples among his friends. If each friend receives 1/3 of an apple, how many friends can Tim give an apple to?

Ans:

15. A recipe calls for 2/3 cup of milk. If you have 3 cups of milk, how many times can you make the recipe?

Ans:

16. A road is 45 miles long. If a runner covers 1/9 of a mile in one minute, how many minutes will it take the runner to complete the entire road?

Ans:

17. Mia is planning a road trip and needs to fill her car's gas tank. The tank can hold 12 gallons of gas, and each pump dispenses 1/4 of a gallon. How many times does Mia need to pump gas to fill the tank?

Ans:

18. A construction team needs to lay 75 tiles on the floor. If each box of tiles contains 1/5 of the total required tiles, how many boxes of tiles will the team need?

Ans:

19. Lucy has a roll of ribbon that is 24 yards long. If she wants to cut the ribbon into pieces measuring 1/6 of a yard each, how many pieces can she make from the entire roll?

Ans:

20. An ice cream shop serves sundaes and each sundae requires 3/8 of a cup of chocolate sauce. If they have 5 cups of chocolate sauce, how many sundaes can they make?

Ans: