

The Great Food Kingdom Area Adventure

Math

Grade 3

Food Theme

Help the Food characters explore their magical kingdom by calculating areas and solving their delicious dilemmas!

NAME _____

DATE _____

SCORE _____ / 8

1

Princess Strawberry needs to plant a royal garden in her castle courtyard. The garden bed is 5 meters long and 4 meters wide. What is the total area of her garden where she can plant yummy vegetables?

2

Sir Cheese is building a new pizza stage for his Grand Feast Hall. The stage needs to be shaped like a rectangle that is 8 feet long and 6 feet wide. How much space will the pizza performers have to dance and twirl on stage?

3

Queen Carrot is decorating the Grand Feast Hall with a giant picnic blanket. The blanket measures 9 yards on one side and 3 yards on the other side. What is the area of the magical blanket?

4

Captain Broccoli discovered a treasure map leading to the Chocolate Fountain Room. The room is shaped like a rectangle with sides of 7 meters and 5 meters. Calculate the area of the floor where the magical chocolate fountain sits.

5

Duke Donut is creating a special display case for his collection of enchanted pastries. The case has a rectangular base that is 10 feet long and 4 feet wide. What is the area of the base where he can arrange his treats?

6

Lady Lemon is designing a grand dining table for the Food Kingdom's biggest banquet. The table is 12 meters long and 2 meters wide. How much surface area will she have to place all the delicious dishes?

7

Prince Pancake is building a waffle maze for the Food Festival. Each section of the maze is a rectangle measuring 6 yards by 4 yards. What is the area of one maze section that brave adventurers must navigate?

8

Duchess Grape is creating a magical orchard with a rectangular boundary. The orchard covers an area that is 11 feet on one side and 5 feet on the other side. What is the total area where her enchanted fruit trees will grow?

Answer Key

Math

Grade 3

For Parents and Teachers

1

Princess Strawberry needs to plant a royal garden in her castle courtyard. The garden bed is 5 meters long and 4 meters wide. What is the total area of her garden where she can plant yummy vegetables?

ANSWER

20 square meters

2

Sir Cheese is building a new pizza stage for his Grand Feast Hall. The stage needs to be shaped like a rectangle that is 8 feet long and 6 feet wide. How much space will the pizza performers have to dance and twirl on stage?

ANSWER

48 square feet

3

Queen Carrot is decorating the Grand Feast Hall with a giant picnic blanket. The blanket measures 9 yards on one side and 3 yards on the other side. What is the area of the magical blanket?

ANSWER

27 square yards

4

Captain Broccoli discovered a treasure map leading to the Chocolate Fountain Room. The room is shaped like a rectangle with sides of 7 meters and 5 meters. Calculate the area of the floor where the magical chocolate fountain sits.

ANSWER

35 square meters

5

Duke Donut is creating a special display case for his collection of enchanted pastries. The case has a rectangular base that is 10 feet long and 4 feet wide. What is the area of the base where he can arrange his treats?

ANSWER

40 square feet

6

Lady Lemon is designing a grand dining table for the Food Kingdom's biggest banquet. The table is 12 meters long and 2 meters wide. How much surface area will she have to place all the delicious dishes?

ANSWER

24 square meters

7

Prince Pancake is building a waffle maze for the Food Festival. Each section of the maze is a rectangle measuring 6 yards by 4 yards. What is the area of one maze section that brave adventurers must navigate?

ANSWER

24 square yards

8

Duchess Grape is creating a magical orchard with a rectangular boundary. The orchard covers an area that is 11 feet on one side and 5 feet on the other side. What is the total area where her enchanted fruit trees will grow?

ANSWER

55 square feet

