

Chef's Kitchen Quest: Discovering Area with Cooking Characters

Math

Grade 3

Cooking Theme

Help Chef Carlo and his kitchen friends solve their cooking adventures by calculating area to save their restaurant!

NAME _____

DATE _____

SCORE _____ / 8

1

Chef Carlo needs to cover his rectangular pizza pan with sauce. The pan is 8 inches long and 6 inches wide. How many square inches of sauce does he need to cover the entire pan?

2

Pastry Patty is decorating a square cake for the Grand Baking Competition. Each side of the cake measures 5 inches. What is the total area of the top of the cake she needs to frost?

3

Sous Chef Sam is laying out a rectangular herb garden outside the restaurant kitchen. The garden measures 9 feet long and 4 feet wide. What is the area of the herb garden where Sam will plant fresh basil and oregano?

4

Baker Bruno is tiling the kitchen floor with beautiful checkered tiles. He has a rectangular section that is 10 feet long and 7 feet wide. How many square feet of tiles does Bruno need to cover this section of the kitchen floor?

5

Cookie Queen Kristen is creating a giant rectangular cookie for the town fair. The cookie dough spreads out to be 12 inches long and 8 inches wide. What is the area of the cookie before it goes in the oven?

6

Grill Master Greg is cleaning the rectangular cooking griddle in the restaurant kitchen. The griddle measures 6 feet long and 3 feet wide. What is the total area of the griddle that Greg needs to scrub clean?

7

Mixing Bowl Bella is designing a square cutting board for her new kitchen. She wants each side to measure 11 inches. What is the area of the cutting board where she will chop vegetables?

8

Saucepan Sergio is organizing a rectangular food prep station in the busy kitchen. The station is 15 feet long and 5 feet wide. Calculate the area of the prep station where Sergio will prepare all the day's ingredients.

Answer Key

Math

Grade 3

For Parents and Teachers

1

Chef Carlo needs to cover his rectangular pizza pan with sauce. The pan is 8 inches long and 6 inches wide. How many square inches of sauce does he need to cover the entire pan?

ANSWER

48 square inches

2

Pastry Patty is decorating a square cake for the Grand Baking Competition. Each side of the cake measures 5 inches. What is the total area of the top of the cake she needs to frost?

ANSWER

25 square inches

3

Sous Chef Sam is laying out a rectangular herb garden outside the restaurant kitchen. The garden measures 9 feet long and 4 feet wide. What is the area of the herb garden where Sam will plant fresh basil and oregano?

ANSWER

36 square feet

4

Baker Bruno is tiling the kitchen floor with beautiful checkered tiles. He has a rectangular section that is 10 feet long and 7 feet wide. How many square feet of tiles does Bruno need to cover this section of the kitchen floor?

ANSWER

70 square feet

5

Cookie Queen Kristen is creating a giant rectangular cookie for the town fair. The cookie dough spreads out to be 12 inches long and 8 inches wide. What is the area of the cookie before it goes in the oven?

ANSWER

96 square inches

6

Grill Master Greg is cleaning the rectangular cooking griddle in the restaurant kitchen. The griddle measures 6 feet long and 3 feet wide. What is the total area of the griddle that Greg needs to scrub clean?

ANSWER

18 square feet

7

Mixing Bowl Bella is designing a square cutting board for her new kitchen. She wants each side to measure 11 inches. What is the area of the cutting board where she will chop vegetables?

ANSWER

121 square inches

8

Saucepan Sergio is organizing a rectangular food prep station in the busy kitchen. The station is 15 feet long and 5 feet wide. Calculate the area of the prep station where Sergio will prepare all the day's ingredients.

ANSWER

75 square feet

