

Chef's Fraction Quest: A Magical Kitchen Adventure

Math

Grade 4

Cooking Theme

Help our brave cooking characters solve fraction problems as they prepare meals and bake treats in their enchanted kitchen!

NAME _____

DATE _____

SCORE _____ / 8

1

Chef Marco is preparing a magnificent pizza for the Grand Cooking Festival. He has a whole pizza cut into 8 equal slices. He gives 3 slices to his friend Rosie and keeps 2 slices for himself. What fraction of the pizza did Chef Marco keep for himself?

2

Baker Betty is making chocolate chip cookies for her bakery adventure. She has $\frac{1}{4}$ cup of butter for one batch and $\frac{1}{4}$ cup of butter for another batch. How much butter does Betty need in total to make both batches of cookies?

3

Sous Chef Samuel is organizing the spice rack in the kitchen castle. He fills $\frac{3}{6}$ of the rack with Italian spices and $\frac{2}{6}$ of the rack with Asian spices. What fraction of the spice rack is now filled with these spices?

4

Pastry Chef Priya is creating a rainbow layer cake. She uses $\frac{3}{5}$ of her flour supply for the cake layers. If she started with enough flour to fill a whole bag, what fraction of her flour supply does she have left?

5

Grill Master Greg is hosting a taco bar adventure! He prepares $\frac{1}{3}$ of the taco shells with beef filling and $\frac{1}{3}$ of the shells with chicken filling. What fraction of his taco shells are now filled?

6

Juice Master Jasmine is creating magical fruit smoothies. She pours $\frac{2}{8}$ of a pitcher of mango juice, then pours $\frac{3}{8}$ of the pitcher of strawberry juice into the same blender. How much of the pitcher's worth of juice is in the blender?

7

Chef Carla is dividing her famous lasagna dinner into portions. She cuts the whole lasagna into 12 equal pieces. She gives 4 pieces to the dinner guests, 3 pieces to her family, and saves the rest. What fraction of the lasagna does she save?

8

Candy Master Carlos is organizing lollipops in his sweet shop. He has $\frac{1}{2}$ of his lollipops in cherry flavor and $\frac{1}{4}$ of his lollipops in grape flavor. What fraction of his lollipop collection is cherry or grape flavor?

Answer Key

Math

Grade 4

For Parents and Teachers

1

Chef Marco is preparing a magnificent pizza for the Grand Cooking Festival. He has a whole pizza cut into 8 equal slices. He gives 3 slices to his friend Rosie and keeps 2 slices for himself. What fraction of the pizza did Chef Marco keep for himself?

ANSWER

$2/8$ or $1/4$

2

Baker Betty is making chocolate chip cookies for her bakery adventure. She has $1/4$ cup of butter for one batch and $1/4$ cup of butter for another batch. How much butter does Betty need in total to make both batches of cookies?

ANSWER

$2/4$ or $1/2$ cup

3

Sous Chef Samuel is organizing the spice rack in the kitchen castle. He fills $3/6$ of the rack with Italian spices and $2/6$ of the rack with Asian spices. What fraction of the spice rack is now filled with these spices?

ANSWER

$5/6$

4

Pastry Chef Priya is creating a rainbow layer cake. She uses $3/5$ of her flour supply for the cake layers. If she started with enough flour to fill a whole bag, what fraction of her flour supply does she have left?

ANSWER

$2/5$

5

Grill Master Greg is hosting a taco bar adventure! He prepares $1/3$ of the taco shells with beef filling and $1/3$ of the shells with chicken filling. What fraction of his taco shells are now filled?

ANSWER

$2/3$

6

Juice Master Jasmine is creating magical fruit smoothies. She pours $2/8$ of a pitcher of mango juice, then pours $3/8$ of the pitcher of strawberry juice into the same blender. How much of the pitcher's worth of juice is in the blender?

ANSWER

$5/8$

7

Chef Carla is dividing her famous lasagna dinner into portions. She cuts the whole lasagna into 12 equal pieces. She gives 4 pieces to the dinner guests, 3 pieces to her family, and saves the rest. What fraction of the lasagna does she save?

ANSWER

$5/12$

8

Candy Master Carlos is organizing lollipops in his sweet shop. He has $1/2$ of his lollipops in cherry flavor and $1/4$ of his lollipops in grape flavor. What fraction of his lollipop collection is cherry or grape flavor?

ANSWER

$3/4$

