

Name \_\_\_\_\_

## Pizza Fraction Word Problems Answer Key

1. The number of slices left is  $(1 - 3/4) \times 8 = 2$  slices.
2. The number of vegetable toppings is  $(5/6) \times 12 = 10$  toppings.
3. The amount of pizza they ate altogether is  $(2/5) \times 1$  pizza  $\times 4$  people =  $8/5$  of a pizza.
4. The area of the pizza left is  $(1 - 3/8) \times \pi \times (8^2)$  square inches, where  $\pi$  is approximately 3.14.
5. The number of vegetarian pizzas is  $(1/5) \times 20 = 4$  pizzas.
6. The discounted price is  $(1 - 1/3) \times \$12 = \$8$ .
7. The earnings are  $\$2$  per delivery  $\times 5$  deliveries +  $\$0.50$  per mile  $\times 10$  miles =  $\$10 + \$5 = \$15$ .
8. The number of pizzas tasted by the judge is  $(3/10) \times 10 = 3$  pizzas.
9. The number of cups of flour used is  $(3/4) \times 2$  cups = 1.5 cups. Since we can't have fractional cups, 1 cup and  $1/2$  cup of flour are used.
10. The number of pizzas needed is  $(1/6) \times 16$  attendees =  $16/6 = 8/3$  pizzas. Since we can't have fractional pizzas, 3 pizzas are needed.

