

Training Mission - Crushed Croissants Answer Key

Garbanzo is furious! He has a side job catering weddings. He just got an irate call from the bride saying that the new driver that Garbanzo hired drove like a maniac and as a result many of the pastries he made for the wedding are now ruined. Garbanzo needs to quickly figure out how many muffins, pies and croissants were damaged and make new ones.

Directions: Help Garbanzo by figuring out how many new pastries he must make. Convert the percent to a fraction or decimal then multiply by the original number of pastries he made.

Step One: Calculate the number of muffins that were damaged.

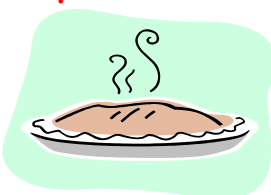


Original Number of Muffins: 400
Percentage of Damaged Muffins: 20%
Number of Damaged Muffins: 80

Show all work in this box:

$$\underline{20/100 \times 400 \rightarrow 1/5 \times 400 \rightarrow 80 \text{ OR } .20 \times 400 \rightarrow 80}$$

Step Two: Calculate the number of pies that were damaged.



Original Number of Pies: 160
Percentage of Damaged Pies: 15%
Number of Damaged Pies: 24

Show all work in this box:

$$\underline{15/100 \times 160 \rightarrow 3/20 \times 160 \rightarrow 24 \text{ OR } .15 \times 160 \rightarrow 24}$$

Step Three: Calculate the number of croissants that were damaged.



Original Number of Croissants: 540
Percentage of Damaged Croissants: 5%
Number of Damaged Croissants: 27

Show all work in this box:

$$\underline{5/100 \times 540 \rightarrow 1/20 \times 540 \rightarrow 27 \text{ OR } .05 \times 540 \rightarrow 27}$$

Next Step: Explain how you calculated the number of damaged goods above using words, numbers, drawings and/or symbols.

Answers will vary. Answers may include that you change the percent to a fraction or decimal and multiply that by the original number of pastries to get the number of damaged pastries.