

Name: Class:

Fraction of a group - word problems

1. Sophia baked 5 batches of cookies. The 4th and the 5th batch got burnt. What fraction of the batches of cookies got burnt?
2. A group of 25 students went on a field trip in a tea estate to study the process of tea cultivation. 7 students drank tea on their way back from the field trip. What fraction of students drank tea?
3. Mr. William is the CEO of a furniture's company. In order to motivate his employees for their hardwork, he took them out for lunch. They ordered 10 plates of salad. 2 of the employees demanded extra cream on their plates. What fraction of the plates of salad had extra cream?
4. Emily blends 15 cups of orange juice for her upcoming picnic with her friends. She put some juice coloring in 4 cups of the juice. What fraction of juice cups had juice coloring?
5. Nora always makes sure that she typed 7,000 words each day to increase her typing skills. She usually spends $\frac{2}{7}$ of an hour to do this. If she does this for seven consecutive days, how much time did she spend typing for the seven consecutive days in all?
6. Bless counted 36 birds sitting on an electric pole. 11 of the birds were crows and the rest were sparrows. If $\frac{4}{5}$ of the sparrow were gray, how many sparrows were gray?
7. Last week, Belinda has a lot to cook. Of the 20 dishes she has to cook, $\frac{4}{5}$ of the dishes are very hard to prepare. How many dishes are very hard to
8. Yesterday, Aubrey and her 15 friends ordered shawarma. If each person ate $\frac{1}{4}$ of a shawarma, how many shawarma did each person eat?

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1. Sophia baked **5 batches of cookies**. The **4th** and the **5th batch** got burnt. What fraction of the batches of cookies got burnt?

- ▶ Sophia baked : **5 batches of cookies** (the denominator is 5).
- ▶ The **4th** and the **5th** batch. Applying that : **2 batches got burnt.** (the numerator is 2).

Therefore, **2 out of 5 batches of cookies got burnt**
= 2/5 batches of cookies got burnt.

2. Therefore, a fraction of **7/25 students** drank tea.

3. Therefore, a fraction of **2/10 plates** of salad had extra cream.

4. Therefore, a fraction of **4/15 cups** of orange juice had juice colouring.

5. So, she spent **2 hours** typing for the seven consecutive days in all.

6. So, **20 sparrows** were gray.

7. So, **16 dishes** are very hard to prepare.

8. So, each person ate **4 shawarma**.