

Word problem involving multiplication or division with mixed numbers: Worksheet 8.2

Name Date Score

1. Bianca made spicy and regular chicken for a party. She made enough spicy chicken to fill up three-fifths of a pan. If she made $6\frac{2}{5}$ times as much regular chicken, how many pans of regular chicken did she have?
2. Sharon was packing some clothes into a box. A box can hold $8\frac{2}{3}$ pounds, but she only filled it up five-sixths full. What was the weight of clothes in the box?
3. Sandra's hair was $6\frac{2}{3}$ inches long. Her hair dresser cut three-eighths of it off. How many inches of Sandra's hair was cut off?
4. A bakery used $7\frac{1}{2}$ cups of flour to make a full size cake. If they made a cake that was three-fifths the size, how many cups of flour have they used?
5. Sarah wants to collect $9\frac{3}{5}$ pounds of cans to recycle. If she collects four-seventh of a pound each day, how many days will it take to collect $6\frac{3}{7}$ pounds?
6. Capri had to write $5\frac{2}{3}$ pages for a book report. How many hours would it take her to write the report if she wrote at the rate of two-third page per hour?
7. A food joint used $7\frac{1}{3}$ pounds of potatoes during a lunch hour. If they used one-seventh as much meat, how many pounds of meat did they use?
8. A container of $2\frac{1}{5}$ metal beams weighed six-sevenths of a ton. If every beam had the same weight, how heavy was each beam?
9. A book took three-eighths of a ream of paper to make. How many books could be made with 4 whole reams of paper?
10. A store had $7\frac{3}{5}$ cartons of candles. How many days would it take to sell the candles if each day they sold five-eighth of a carton?



Solutions: Worksheet 8.2

1. $3\frac{21}{25}$ pans
2. $7\frac{2}{9}$ pounds
3. $2\frac{1}{2}$ inches
4. $4\frac{1}{2}$ cups
5. $11\frac{1}{4}$ days
6. $8\frac{1}{2}$ hours
7. $1\frac{1}{21}$ pounds
8. 30/77 ton
9. $10\frac{2}{3}$ books
10. $12\frac{4}{25}$ days

