Multiply Fractions Word Problems Worksheets

3. Phillip's family traveled $\frac{3}{10}$ of the distance to his grandmother's house on Saturday. They traveled $\frac{4}{7}$ of the remaining distance on Sunday. What fraction of the total distance to his grandmother's house was traveled on Sunday?
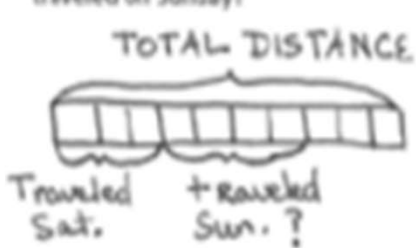
4. Santino bought a $\frac{3}{4}$ pound bag of chocolate chips. He used $\frac{2}{3}$ of the bag while baking. How many pounds of chocolate chips did he use while baking?

5. Farmer Dave harvested his corn. He stored $\frac{5}{9}$ of his corn in one large silo and $\frac{3}{4}$ of the remaining corn in a small silo. The rest was taken to market to be sold.

   a. What fraction of the corn was stored in the small silo?

   b. If he harvested 18 tons of corn, how many tons did he take to market?
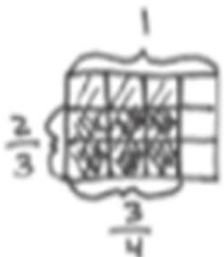
Multiply Fractions Word Problems Worksheets

3. Phillip's family traveled $\frac{7}{10}$ of the distance to his grandmother's house on Saturday. They traveled $\frac{4}{7}$ of the remaining distance on Sunday. What fraction of the total distance to his grandmother's house was traveled on Sunday?

TOTAL DISTANCE

Traveled Sat.   Traveled Sun. ?

$\frac{4}{7}$ of 7 tenths = 4 tenths

$\frac{4}{10}$ of the distance to his grand mother's house was traveled on Sunday.

4. Santino bought a $\frac{3}{4}$ pound bag of chocolate chips. He used $\frac{2}{3}$ of the bag while baking. How many pounds of chocolate chips did he use while baking?
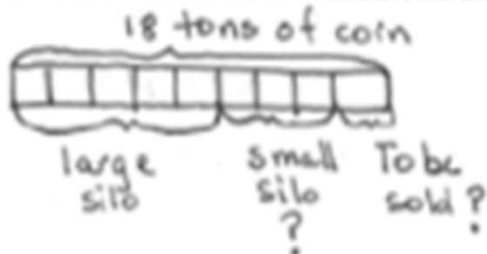
$\frac{2}{3}$ of $\frac{3}{4}$ = $\frac{2}{3} \times \frac{3}{4}$

$= \frac{\cancel{2} \times \cancel{3}}{\cancel{3} \times \cancel{4}_2} = \frac{1}{2}$

Santino used half a pound of chocolate chips while baking.

5. Farmer Dave harvested his corn. He stored $\frac{5}{9}$ of his corn in one large silo and $\frac{3}{4}$ of the remaining corn in a small silo. The rest was taken to market to be sold.

a. What fraction of the corn was stored in the small silo?

18 tons of corn

large silo   small silo ?   To be sold ?

$\frac{3}{4}$ of 4 ninths = 3 ninths = 1 third

One third of the corn was stored in the small silo.

b. If he harvested 18 tons of corn, how many tons did he take to market?

$\frac{1}{9}$ of 18 = $\frac{1}{9} \times \frac{18}{1}$

$= \frac{18}{9} = 2$

Farmer Dave took 2 tons of corn to market.