

- B. A local coffee house donated twelve pounds of fresh-roasted gourmet coffee. The students running the fund-raiser decided to sell the coffee in small bags. How many bags can be made if each contains
1. $\frac{1}{5}$ pound?
 2. $\frac{3}{5}$ pound?
 3. $\frac{1}{8}$ pound?
 4. $\frac{5}{8}$ pound?

Take it further:

1. Use ideas from your work on the questions about cheese pizzas and coffee bags to complete the following calculations:
 - a. $12 \div \frac{1}{4} =$
 - b. $12 \div \frac{1}{3} =$
 - c. $12 \div \frac{2}{3} =$
 - d. $15 \div \frac{5}{3} =$
 - e. $18 \div \frac{5}{6} =$
 - f. $21 \div \frac{7}{1} =$
 - g. Explain in words why $8 \div \frac{1}{3} = 24$ and $8 \div \frac{2}{3} = 12$. How are these two calculations related? Why is the answer to $8 \div \frac{2}{3}$ exactly half of the answer to $8 \div \frac{1}{3}$?

