

Name _____

Date _____

1. Fill in the unknown factors.

a. $8 \times 4\frac{4}{7} = (\underline{\quad} \times 4) + (\underline{\quad} \times \frac{4}{7})$

b. $9 \times 7\frac{7}{10} = (9 \times \underline{\quad}) + (9 \times \underline{\quad})$

2. Multiply. Use the distributive property.

a. $6 \times 8\frac{2}{7}$

b. $7\frac{3}{4} \times 9$

c. $9 \times 8\frac{7}{9}$

d. $25\frac{7}{8} \times 3$

e. $4 \times 20\frac{8}{12}$

f. $30\frac{3}{100} \times 12$

3. Brandon is cutting 9 boards for a woodworking project. Each board is $4\frac{5}{8}$ feet long. What is the total length of boards?
4. Rocky the collie ate $3\frac{1}{4}$ cups of dog food each day for two weeks. How much dog food did Rocky eat in that time?
5. At the class party, each student will be given a container that holds $8\frac{5}{8}$ ounces of juice. There are 25 students in the class. If each student's container is filled, how many ounces of juice does the teacher need to buy?