

## Multiplying Fractions BPII 3.1 Homework

All answers should be on lined paper. Show all work and circle your answer. Leave space between problems. Be sure to number problems!

2. Ms. Guerdin owns  $\frac{4}{5}$  acre of land in Tupelo Township. She wants to sell  $\frac{2}{3}$  of her land to her neighbor.

a. What fraction of an acre does she want to sell? Draw pictures to illustrate your thinking.

b. Write a number sentence that can be used to solve the problem.

3. Find each answer and explain how you know.

a. Is  $\frac{3}{4} \times 1$  greater than or less than 1?

b. Is  $\frac{3}{4} \times \frac{2}{3}$  greater than or less than 1?

c. Is  $\frac{3}{4} \times \frac{2}{3}$  greater than or less than  $\frac{2}{3}$ ?

d. Is  $\frac{3}{4} \times \frac{2}{3}$  greater than or less than  $\frac{3}{4}$ ?

36. Here is a multiplication-division fact family:

$$4 \times 5 = 20 \quad 5 \times 4 = 20 \quad 20 \div 4 = 5 \quad 20 \div 5 = 4$$

For each number sentence, write a multiplication-division fact family.

a.  $3 \times 6 = 18$

b.  $16 \times 3 = 48$

c.  $1\frac{1}{2} \times 7 = 10\frac{1}{2}$

d.  $15 \div 3 = 5$

e.  $100 \div 20 = 5$

f.  $15 \div 1\frac{1}{2} = 10$