**Lesson 3 Expansion Worksheet**

**Compute each expression. Show each step of your work.**

1. (0.13)(-4.8 1.2)

**Express each real-life situation as a number sentence. Then evaluate your number sentence to answer the question.**

1. Kim bakes  of the cookies that are sold at a local bake sale. One-third of her cookies are chocolate chip. One-fourth of Kim’s chocolate chip cookies have nuts. What fraction of the cookies at the bake sale are Kim’s chocolate chip cookies with nuts?
2. Marty saws off  of a wooden board. Then, he saws off  of what is left of the board. Finally, he saws  off of this remaining piece of board. What fraction of the original board is left?
3. Elise has  feet of ribbon available to use as a border for the front of some picture albums. If each album requires  feet of ribbon, how many albums can she finish?

**Challenge**

1. Model the product of  and  using a diagram.

**Lesson 3 Expansion Worksheet - KEY**

**Compute each expression. Show each step of your work.**

1.
2.
3. (0.13)(−4.8 1.2) −0.52
4. −215

**Express each real-life situation as a number sentence. Then evaluate your number sentence to answer the question.**

1. Kim bakes  of the cookies that are sold at a local bake sale. One-third of her cookies are chocolate chip. One-fourth of Kim’s chocolate chip cookies have nuts. What fraction of the cookies at the bake sale are Kim’s chocolate chip cookies with nuts?

 of the cookies at the bake sale are Kim’s chocolate cookies with nuts.

1. Marty saws off  of a wooden board. Then, he saws off of what is left of the board. Finally, he saws  off of this remaining piece of board. What fraction of the original board is left?

 of the wooden board remains.

1. Elise has  feet of ribbon available to use as a border for the front of some picture albums. If each album requires  feet of ribbon, how many albums can she finish?

Elise can finish albums.

**Challenge**

1. Model the product of  and  using a diagram.

Models will vary.