Fractions of Whole Numbers Word Problems Guided Lesson Explanation

1. We are looking for the value of 1/4 of 800.

$\frac{1}{4}$ **x 800 or $\frac{1}{4}$ x $\frac{800}{1}$ = $\frac{800}{4}$ = 200**

Matthew will need to pay the company $200.

2. There are 5 girls (Natalie, Porsa, Jenny, Crissy, and Sara). Since the girls share the final amount equally, they will each get 1/5 of the final amount.

They shovel 15 driveways at the cost of $25. To calculate how much they make multiply $25 by 15.

25 x 15 = $375

We need to calculate what 1/5 of $375 is.

$\frac{1}{5}$ **x 375 = $\frac{1}{5}$ x $\frac{375}{1}$ = $\frac{375}{5}$ = 75**

Each girl will receive $75.

3. There are 4 boys (Mike, Reese, Jarvis and Chris). They will share the cost equally, so they will each contribute 1/4 of the cost.

We need to calculate what 1/4 of 400 is.

$\frac{1}{4}$ **x 400 or $\frac{1}{4}$ x $\frac{400}{1}$ = $\frac{400}{4}$ = 100**

Each boy will need to contribute $100.