Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Class: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Learning Target: I can solve real world percent problems.

Objective: I can determine the original price.

How do we find the original price after a discount?

**Method : Set up a proportion**

Step 1: Subtract the discount (percent) from 100.

Step 2: Set up a proportion putting the sale price as the part.

Step 3: Cross multiply and divide by the number that has no partner.

Example:

Mr. Kelly bought a shirt that was 25% off. He paid $51.75. How much was the shirt before the discount?

Step 1: 100-25= 75

Step 2:

Step 3: $51.75 x 100= 5,175

$5175 = $69

Mr. Kelly paid $69 for the shirt.

1. Griffin’s General Store is having a 30% off sale on fans. Robert paid $25 for a fan. What is the original price of the fan?

2. The Clothes Barn is having a 60% off sale on shorts.  Ben paid $14 for a pair of shorts.  What was the original price of the shorts?

3. Sunglass Shack is having a 50% off sale on sunglasses.  Ann paid $22 for a pair of sunglasses.   What was the original price?

4. Henley’s is having a 45% off sale on air conditioners.  Fred pays $124 for an air conditioner.  What was the original price?

5. Dream Vacations is having a 30% off sale on beach vacations.  Albert pays $256 on a vacation.  What was the original price?

6. Splash Swimming Pools is having a 62% off sale on pools.  Ben paid $310 for a pool.  What as the original price?