

Skill Set 19 –Comparison of % between different items (Percentage)

There were 40% more chickens than cows at a farm. After 15% of the chickens were sold and 60 cows were bought, there were 16 more chickens than cows. How many chickens were there in the farm at first?

Number of cows in % = 100%

Number of chickens in % = 100% + 40% = 140% (As the chickens are compared to the cows, the number of cows will be at 100%.)

$$\frac{140}{100} \times 15\% = 21\%$$

Number of chickens left ---- 140% - 21% = 119%

Chicken	119%	
Cow	100%	60
		16

$$60 + 16 = 76$$

$$119\% - 100\% = 19\%$$

$$19\% = 76$$

$$1\% = 76 \div 19 = 4$$

$$\text{Number of chickens in the farm} = 140 \times 4 = \mathbf{560}$$

There were **560** chickens on the farm at first.