

## Multi-Step Word Problems

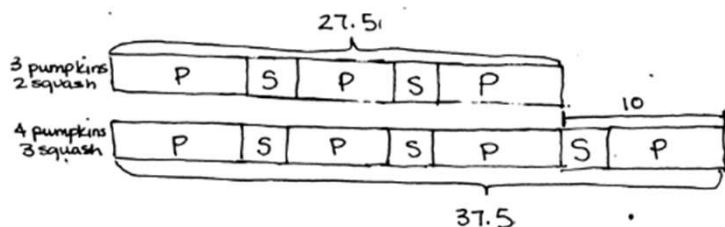
1. Three pumpkins and two squash weigh 27.5 pounds. Four pumpkins and three squash weigh 37.5 pounds. Each pumpkin weighs the same as the other pumpkins, and each squash weighs the same as the other squash. How much does each pumpkin weigh? How much does each squash weigh?

2. Henry had 20 convertibles and 5 trucks in his miniature car collection. After Henry's aunt bought him some more miniature trucks, Henry found that one-fifth of his collection consisted of convertibles. How many trucks did his aunt buy

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**Solution A**



$$1 \text{ unit} = \boxed{P} \boxed{S} = 10 \text{ lb}$$

$$2 \text{ units} + \boxed{P} = 27.5 \text{ lb}$$

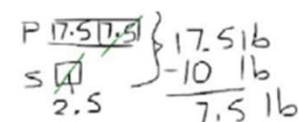
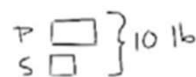
$$20 + \boxed{P} = 27.5 \text{ lb}$$

$$1 \text{ pumpkin} = 7.5 \text{ lb}$$

$$10 - 7.5 = 2.5$$

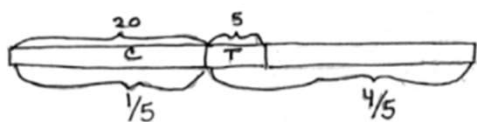
One pumpkin weighs  
7.5 pounds +  
one squash weighs  
2.5 pounds.

**Solution B**



2. Henry had 20 convertibles and 5 trucks in his miniature car collection. After Henry's aunt bought him some more miniature trucks, Henry found that one-fifth of his collection consisted of convertibles. How many trucks did his aunt buy?

**Solution A**



$$\frac{1}{5} \times y = 20$$

$$20 \div \frac{1}{5} = y$$

$$y = 100$$

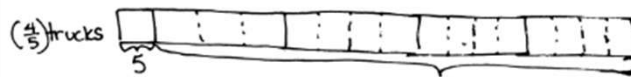
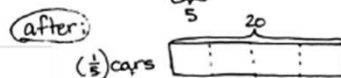
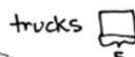
20 is  $\frac{1}{5}$  of 100.

100 - 20 convertibles = 80

80 - 5 trucks he already had = 75

His aunt bought 75 trucks.

**Solution B**



$$1 \text{ unit} = 5$$

$$15 \text{ units} = 5 \times 15$$

$$= 75$$

Henry's aunt bought him 75 trucks.