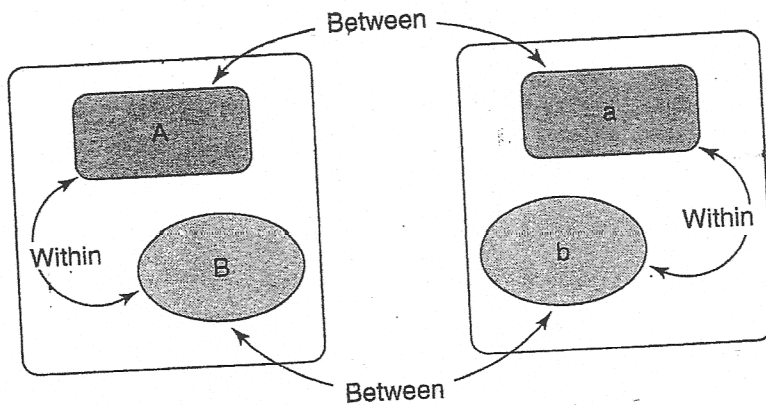


### PROPORTIONAL SITUATIONS



Within:  $\frac{A}{B} = \frac{a}{b}$

Between:  $\frac{A}{a} = \frac{B}{b}$

Given a proportional situation, the two between ratios and the two within ratios will be the same.

1) Tammy bought 3 widgets for \$2.40. At the same price, how much would 10 widgets cost?

2) Tammy bought 4 widgets for \$3.75. How much would a dozen widgets cost?

3) At Staples, you can buy plain #2 pencils, four for 59 cents. The store also sells the same pencils in a large box of 5 dozen pencils for \$7.79. How much do you save by buying the large box?

- 4) The price of a box of 2 dozen candy bars is \$4.80. Bridget wants to buy 5 Candy bars. What will she have to pay?
- 5) Brian can run 5 km in 18.4 minutes. If he keeps on running at the same speed, how far can he run in 23 minutes?
- 6) Apples are 3 pounds for 89 cents. How much should you pay for 5 pounds?
- 7) Jack can run an 8 km race in 27 minutes. If he runs at the same rate, how long should it take him to run a 5-km race?
- 8) Your little sister wants a desk for her doll. Her doll is 14 inches tall. How big should you make the desk?