

 WARMUP 

Suppose you took a survey of Sellwood 6th graders and found out 100 rode the bus home and 60 went home different ways.

- 1) Use a ratio to compare the two groups.
- 2) Reduce the numbers in your ratio as much as you can to make it easier to understand.
- 3) In a block class with 32 students, how many students would you expect would ride the bus home? How many would go home different ways?

 WARMUP 

Trinkets at a store are sold at a price of 20 for \$10.

- a) How much does each trinket cost?
- b) How many trinkets does each dollar buy?

Harder version: try it with 20 trinkets for \$12.

 WARMUP 

Weston walks at a steady pace and travels 12 miles in 3 hours.

- a) What is his pace in miles per hour?
- b) How long does it take him to walk a mile? (Find the answer in hours and then in minutes.)

CHALLENGE: For any rate problem, what is the relationship between miles per hour & hours per mile?

 WARMUP 

DJ wants to buy some packages of gum. At the corner store, he can buy 4 packs for \$5. At the big grocery store, he can buy 5 packs for \$6.

- a) How could he decide which is the better deal?
- b) How much would he pay per pack of gum at each store?
- c) Does a dollar buy more gum at the corner store or the big store? (Challenge: how much gum does a dollar buy?)

 WARMUP 

David drives 360 miles in 6 hours.

I drive for 5 hours and travel 275 miles.

- a) Who is going faster?
- b) How long did it take David to travel 150 miles?
- c) How long did it take me to travel 150 miles?

 WARMUP 

Find the missing number for each of these equivalent ratios.

$12:1 = 24:?$ $1:16 = 3:?$

$10:1 = ? : 7$ $16:1 = 8:?$

Challenge: $2.54:1 = 15:?$