

WARM UP

**Finish your homework page,
questions 7-13.**

MATH COURSE I

Ratio and Rate
Review

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Cross Multiply and Divide

Use cross multiplying and dividing to make proportions.

EXAMPLE:

$$5/8 = x/9$$

$$\text{Solve: } (5*9)/8$$

$$x = 5.625$$

Practice

Round answers to the nearest hundredth.

$$2:3 = 6:x$$

$$7:9 = x:4$$

$$11:9 = 25:x$$

Word Problems

Word Problems

More Word Problems

- Set up each proportion and solve.
- **1) If John drove 90 miles in 3 hours, how many more hours would he have to drive if his destination was now 150 miles away?**
- **2) In a private school, the student to teacher rate is 11 students to 1 teacher. At that rate, how many students could there be if the school employed 40 teachers?**

Word Problems Continued

- 3) At the zoo, a medium sized habitat can hold either 12 chimpanzees or 6 larger apes. If there were enough habitats to hold 36 larger apes, how many chimpanzees could have fit in the same amount of space?
- 4) At Food Mart, cantaloupes went on sale. The sale was advertised as 7 cantaloupes for \$2. John had \$12, and spent all his money on cantaloupes. If no