Homework Practice

Equivalent Ratios

Determine if each pair of ratios or rates are equivalent. Explain your reasoning.

1. 18 vocabulary words learned in 2 hours; 27 vocabulary words learned in 3 hours

2. $15 for 5 pairs of socks; $25 for 10 pairs of socks

3. 20 out of 45 students attended the concert; 12 out of 25 students attended the concert

4. 78 correct answers out of 100 test questions; 39 correct answers out of 50 test questions

5. 15 minutes to drive 21 miles; 25 minutes to drive 35 miles

ANIMALS For Exercises 6–8, refer to the table on lengths of some animals with long tails. Determine if each pair of animals has the same ratio of body length to tail length. Explain your reasoning.

Animal Lengths (mm)		
Animal	**Head & Body**	**Tail**
Brown Rat	240	180
Hamster	250	50
Lemming	125	25
Opossum	480	360
Prairie Dog	280	40

6. brown rat and opossum

7. hamster and lemming

8. opossum and prairie dog