

Name: _____ Date: _____

Proportional Reasoning

Directions: In each situation below, write **YES** on the line if the situation makes sense; write **NO** if it does not. Also for each explain your reasoning for your answer.

1. If one student is assigned one locker, then James, Bobby, and Rick are assigned three lockers each.

Make sense? _____

Explain? _____

2. If AT&T charges \$.50 per text message sent, then Lori can expect a charge of \$6.00 for twelve messages sent.

Make sense? _____

Explain? _____

3. If we buy 3 pizzas for 8 students, then we get 9 pizzas for 24 students.

Make sense? _____

Explain? _____

4. If two boys weighed 140 lbs, then 4 boys weigh 280 lbs.

Make sense? _____

Explain? _____

5. Susan can read 20 words in one minute. If she reads for 10 minutes she will read 200 words.

Make sense? _____

Explain? _____

6. Joe took $1\frac{1}{2}$ hours to drive 70 miles. Then, at the same speed, it took him 3 hours to drive 140 miles.

Make sense? _____

Explain? _____

7. If one pair of Mudd jeans cost \$36, then two pairs of Mudd jeans cost \$72.

Make sense? _____

Explain? _____

8. If it takes 20 minutes to bake a half-dozen cookies, then it will take 40 minutes to bake a dozen cookies.

Make sense? _____

Explain? _____

9. If John's iPod plays 2 songs in 5 minutes, then it plays 4 songs in 10 minutes.

Make sense? _____

Explain? _____

10. At the corner store, a snickers bar is \$.89. It is reasonable for James to pay 3.56 for four snickers bars.

Make sense? _____

Explain? _____

11. Look at all of the situations where you answered "YES". They all made sense because they have something mathematical in common. What do you think that is?
