Math 6 - Unit 2: Rates, Ratios & **Proportional Reasoning Review**

Knowledge and Understanding

- 1. What is a ratio? A Comparison of 2 numbers
- 2. What is a rate? A ratio that commeasured in dis
- 3. What is a unit rate? a comparison of in which one term has a value of one
- What is a percent? <u>number</u> 100

Proficiency of Skills

Fill in the ratio tables

8

27

45

48

11. A circus elephant is going to stand on a ball. Lulu the 1760 = 2000 lbs, Lulu = 4000 lbs; heavier 12. The table below shows the number of each item sold at the 1bs. concession stand. What might the ratio 3:4 represent? Elephant weighs 2 Tons. If the ball can hold up to 3,000 $\,$ $\,$ $\,$ $\,$ $\,$ $\,$ $\,$ $\,$ pounds, will Lulu make it? Explain your answer.

Candy Bar Hot Dog Popcorn Nachos Item Quantity Sold 48 28 30 6 S N 2 NACHOS: FORCEN

11. The ratio of boys to girls in a class is 4:8. If there are 24

students in the class, begy many are boys?

6: 4

6: 4

7: 12

12. In a class of 40 students, 30% DID return their permission slips their permission slips?

for the school field trip. How many students did NOT return 28 STUDBUTS

0

80 is 25% of what number? 320

with the same of t

100 1/2

40% did NOT TURN IN

40 1 40 A TURN IN DID NOT HOMA

13. The table below shows the cost for varying number of books. If the rate stays the same, determine the value of n.

Number of Books 10 0 といめ Cost \$40 \$24 \$48

a. Who drove the fastest? <u>JADA</u>

Application

10. Jaden drove 260 miles in 4 hours. Jada drove 210 miles in 3 JADEN 65 mph

hours. Who drove at the fastest rate of speed? How do you 7404 how?

Write the ratio as a unit rate: \$27 for 9 tickets. \$3 per ficket

Find the value of x. $\frac{25}{30} = \frac{x}{30}$

Find 30% of 70. 21

How do you know? Because compared them miles rates 5 Jada aso tro

大での

same

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