Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_ Core:\_\_\_\_

Ratios and Unit Rates

*Write the ratio.*

1. Mrs. Saul’s math students are really smart. 16 out of 27 got an A on the last test. The rest of the students received a B. What is the ratio of B’s to A’s? Write 4 different forms of the ratio.

2. At Ms. Damitz’s workout class, there were 50 wall balls and 30 burpess. What is the ratio of burpees to total exercises? Write 4 different forms of the ratio.

3. Mr. Kaufmann’s son sleeps 5 straight hours for every 8 straight hours his daughter sleeps. What is the ratio of hours slept by this daughter to hours slept by his son? Write 3 different forms of the ratio.

4. Mrs. McGee’s daughter is running in preparation for next year’s cross-country season. She runs 3 miles every Monday, Wednesday, and Friday. She also runs 2 miles every Tuesday and Thursday. On Saturdays, she runs 5 miles. What is the ratio of miles ran during the week to total miles run? Write 3 different forms of the ratio.

*Find the Unit Rate. Don’t forget your labels!*

5. A 7 oz box of crackers costs $1.19.

6. A small business saw 360 customers in 30 days.

7. Cody can run 6 miles in 57 minutes. How fast can he run one mile?

*Use unit rates to answer the following questions.*

8. 1 pizza can feed 4 people. How much pizza would be needed to feed 18 people?

9. Devon is trying to find the unit price on a 6-pack of sports drinks on sale for $2.99. His sister says that at that price, each energy drink would cost just over $2.00. Is she correct and how do you know? If she is not, how would Devon’s sister find the correct price?

10. There are 3 options for purchasing the same brand of soap. What is the best deal?

Regular (12 fluid ounces): $ 1.34

Family (28 fluid ounces): $ 3.25

Economy (40 fluid ounces): $ 4.08