Name_____   Date_____

Ratio Tables and Rates Packet

Ratio Tables

Find the missing value(s) in the ratio table. Then write the equivalent ratios.

1.

Kids	3	
Adults	1	3

2.

Basketballs	5	
Footballs	10	20

3.

Apples	4	16
Oranges	5	

4.

CDs		30
DVDs	9	27

5.

Regular	2		32
Decaf	3	12	

6.

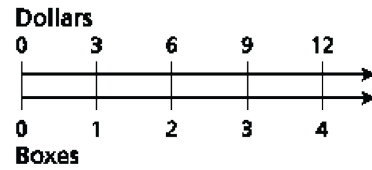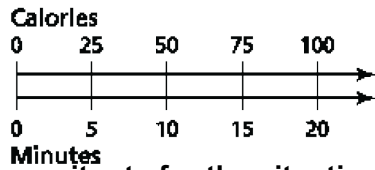| Scooters	1	5	
Bikes		15	75

7.   You read 1 chapter every hour. You read for 3 hours after school. How many chapters did you read?

Rates

Write a rate that represents the situation.

    1.   **2.**

Calories
```
0    25    50    75    100
|-----|-----|-----|-----|----->
0     5    10    15    20
```
Minutes

Dollars
```
0     3     6     9     12
|-----|-----|-----|-----|----->
0     1     2     3     4
```
Boxes

Write a unit rate for the situation.

    3.   9 strikes in 3 innings **4.**   117 points in 13 minutes

Decide whether the rates are equivalent.

    5.   30 beats per 20 seconds,   **6.**   15 pages in 20 minutes,

          90 beats per 60 seconds   **10 pages in 15 minutes**

    7.   One of the valves on the Hoover Dam releases 40,000 gallons of water per second. What is the rate in gallons per minute?

Review

Determine whether the number is prime or composite.

1. 4

2. 7

3. 13

4. 22

5. 19

6. 27

7. 30

8. 37

9. 41

10. 45

11. You have 33 marbles. Besides 1 group of 33 marbles, is it possible to divide the marbles into groups with the same number of marbles with
no marbles left over?

12. You have 43 pencils. Besides 1 group of 43 pencils, is it possible to divide the pencils into groups with the same number of pencils with no pencils
left over?

Find the value of the expression. Use estimation to check your answer.

1. 5947 + 2001

2. 2587
   + 1654

3. 5684 + 3118

4. 1596 − 302

5. 9564 − 7581

6. 7094
   − 989

7. 851 ÷ 37

8. $\dfrac{612}{68}$

9. 8970 ÷ 345

10. $\dfrac{5424}{52}$

11. 8549 ÷ 198

12. 74,386 ÷ 874