

Name: _____ Date: _____

Ratio: “Show work for full credit”

1) Find the unit rate:

. Find the number of meters each record holder ran in one second of each event. Round to the nearest tenth.

a. 200 meters, 19.30 seconds, Usain Bolt, Jamaica _____

b. 400 meters, 43.18 seconds, Michael Johnson, USA _____

c. 100 meters, 9.69 seconds, Usain Bolt, Jamaica _____

2) Complete the ratio table:

On a typical day, flights at a local airport arrive at a rate of 10 every 15 minutes. At this rate, how many flights would you expect to arrive in 1 hour?

Number of Flights			
Minutes			

3) Justify conclusions:

MP Justify Conclusions There are 18 bulls and 45 cows on a ranch. If 4 more bulls and 4 more cows were added, will the ratio of bulls to cows remain the same? Justify your answer using a ratio table.

Bulls			
Cows			

4) Justify each answer:

The table gives the ratio of teachers to students at Jefferson Middle School.

At Hamilton Middle School, the ratio of teachers to students is 12 to 312. Which statement correctly compares the ratio of the teachers to students at the two schools?

- ☐ There are more students per teacher at Hamilton Middle School than at Jefferson Middle School.
- ☐ Both schools have an equivalent ratio of students to teachers.
- ☐ There are more students at Hamilton Middle School than at Jefferson Middle School.
- ☐ There are more students per teacher at Jefferson Middle School than at Hamilton Middle School.

Jefferson Middle School	
Students, x	Teachers, y
24	1
48	2
72	3
96	4

5) Explain:

Nina earns \$15 for each yard she mows. She wants to buy a dress that costs \$109. How many yards will she need to mow to earn the money for the dress? Explain.