MATH: proportions #2

#_____ Name_____ Date_____

1. Alma and Ning are lawyers. Alma averages 12 civil cases and 10 criminal cases annually. Meanwhile, Ning averages 18 civil cases and 15 criminal ones. Which lawyer has a lower ratio of civil to criminal cases?

ANSWER:

2. Last year, Raymond used 5 bottles of shampoo and 10 bottles of conditioner. His sister, Florence, used 6 bottles of shampoo and 7 bottles of conditioner. Who used a higher ratio of shampoo to conditioner last year?

ANSWER:

3. Of the 15-year-olds at a karate school, 10 have black belts and 12 have brown belts. Among the 16-year-olds, 9 have black belts and 19 have brown belts. Which age group has a higher ratio of black belts to brown belts?

ANSWER:

4. Last year, Hancock County's event hall was used for 14 wedding receptions and 20 anniversary parties. This year it was used for 16 wedding receptions and 19 anniversary parties. During which year was the event hall used for a higher ratio of wedding receptions to anniversary parties?

ANSWER:

5. At the Parker wedding, 10 guests sat on the groom's side and 15 guests sat on the bride's side. At the Hoover wedding, 15 guests sat on the groom's side and 17 guests sat on the bride's side. Which wedding had a lower ratio of guests of the groom to guests of the bride?

ANSWER:

6. In Nicole's desk drawer, there are 16 paper clips and 20 rubber bands. In Gordon's office supply tray, there are 15 paper clips and 16 rubber bands. Who has a lower ratio of paper clips to rubber bands?

ANSWER:

7. An auto dealership sells minivans and sedans. In January, they sold 8 minivans and 20 sedans. In February, they sold 9 minivans and 18 sedans. During which month did the auto dealership sell a higher ratio of minivans to sedans?

ANSWER:

8. Seth's punch recipe calls for 5 liters of lemon-lime soda and 3 liters of pineapple juice. Adam's punch recipe requires 10 liters of lemon-lime soda and 9 liters of pineapple juice. Which recipe has a lower ratio of lemon-lime soda to pineapple juice?

ANSWER:

9. A pet supply chain called Pet City has 6 hamsters and 18 gerbils for sale at its Kingwood location. At its Somerville location there are 7 hamsters and 16 gerbils. Which location has a lower ratio of hamsters to gerbils?

ANSWER: