6.RP.1. -Test 1C

Multiple Choice
Identify the choice that best completes the statement or answers the question.

1. Ms. Abbott's 6th grade class has 18 students with brown eyes and 12 students with blue eyes. Ms. Downey's class has 15 students with brown eyes and 10 students with blue eyes. Which classroom has a higher ratio of brown eyes?
   a.   Ms. Abbott's class
   b.   Mrs. Downey's class
   c.   They are the same
   d.   Mrs. Smith's class

2. The PE teacher is ordering equipment for the next school year. There are 156 students. She needs enough basketballs so that there is 1 basketball for every 12 students. How many basketballs does she need to order?
   a.   312 basketballs
   b.   12 basketballs
   c.   13 basketballs
   d.   11

3. As president of the soccer club, Joey had to order pins for the entire club. He knew there were 96 boys in the club, but did not know the number of girls. The coach told him that the ratio of girls to boys was 2:3. How many pins did Joey have to order?
   a.   64 pins
   b.   160 pins
   c.   144 pins
   d.   192 pins

4. At the Old Fort Boise Days Car Show there were 15 Pontiacs, 18 Chevrolets, 12 Fords ,and 5 Ramblers. What was the ratio of Ramblers to the total number of cars in the Car Show?
   a.   5:45
   b.   10:1
   c.   1:10
   d.   50:5

5. At the Old Fort Boise Days Car Show there were 15 Pontiacs, 18 Chevrolets, 12 Fords ,and 5 Ramblers. What is the ratio of the Fords and Pontiacs to the Chevrolets and Ramblers?
   a.   50/27
   b.   23/27
   c.   27/50
   d.   27/23

6. At the Old Fort Boise Days Car Show there were 15 Pontiacs, 18 Chevrolets, 12 Fords ,and 5 Ramblers. What was the ratio of the Chevrolets to the Pontiacs?
   a.   15:18
   b.   5:6
   c.   6:5
   d.   18:50

7. The PE teacher has a ratio of 3 girls to 2 boys in one of her classes. If there are 24 girls how many boys are there?
   a.   12 boys
   b.   16 boys
   c.   32 boys
   d.   20 boys

Multiple Response

Identify one or more choices that best complete the statement or answer the question.

8. Ms. Abbott's 6th grade class has 18 students with brown eyes and 12 students with blue eyes. Ms. Downey's 6th grade class has 15 students with brown eyes and 10 students with blue eyes. What is the ratio of the students in Mrs. Downey's class to the students in Ms. Abbott's class? Choose all correct answers.
   a. 5/6
   b. 30/25
   c. 25/30
   d. 6/5

9. Ms. Abbott's 6th grade class has 18 students with brown eyes and 15 students with blue eyes. Ms. Downey's 6th grade class has 12 students with brown eyes and 10 students with blue eyes. What is the ratio of the students with brown eyes to the total number of 6th grade students?
   a. 3/5
   b. 11/6
   c. 6/11
   d. 5/3

10. Ms. Abbott's 6th grade class has 18 students with brown eyes and 12 students with blue eyes. Ms. Downey's 6th grade class has 15 students with brown eyes and 10 students with blue eyes. What is the ratio of brown eyed students in Ms. Abbott's class compared to the brown eyed students in Mrs. Downey's classroom? Choose all of the correct answers.
   a. 3:2
   b. 2:3
   c. 6:5
   d. 18:15

Answer 1: C

Answer 2: C

Answer 3: B

Answer 4: C

Answer 5: D

Answer 6: C

Answer 7: B

Answer 8: A, C

Answer 9: C

Answer 10: C, D