

Equivalent Ratio Word Problem Worksheet

1. At the beginning of Grade 6, the ratio of the number of advanced math students to the number of regular math students was 3:8. However, after taking placement tests, students were moved around changing the ratio of the number of advanced math students to the number of regular math students to 4:7. How many students started in regular math and advanced math if there were students in advanced math after the placement tests?

2. During first semester, the ratio of the number of students in art class to the number of students in gym class was 2:7. However, the art classes were really small, and the gym classes were large, so the principal changed students' classes for second semester. In second semester, the ratio of the number of students in art class to the number of students in gym class was 5:4. If students were in art class second semester, how many were in art class and gym class first semester?

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There were 69 students in advanced math and 184 students in regular math before the placement tests.

2. During first semester, the ratio of the number of students in art class to the number of students in gym class was 2:7. However, the art classes were really small, and the gym classes were large, so the principal changed students' classes for second semester. In second semester, the ratio of the number of students in art class to the number of students in gym class was 5:4. If students were in art class second semester, how many were in art class and gym class first semester?

There were 30 students in art class and 105 students in gym class during first semester.