

Fraction multiplication word problems

Grade 5 Word Problems Worksheet

At a school, there are 864 students and 80 staff members. $\frac{5}{8}$ of the students are boys.

1. How many girls are there in the school?

2. $\frac{1}{6}$ of the boys joined the basketball team and $\frac{2}{9}$ of the boys joined the soccer team. How many boys are there in the soccer team?

3. The school bus service is only offered to grade 1 and 2 students. $\frac{5}{24}$ of the total number of students are in grades 1 and 2. $\frac{4}{7}$ of the grades 1 and 2 take the school bus to school. What fraction of all students take the school bus to school?





4. On a snowy day, only $\frac{7}{12}$ of the students attend school. $\frac{4}{5}$ of the students who stayed home called to inform the school office. What was the fraction of all students that called in to inform the school about missing school this day?

5. Every Wednesday, a meeting for all the teaching staff is held. If $\frac{13}{16}$ of the staff members are teaching staff, how many staff members are invited to the meeting?

6. On the last Wednesday of May, $\frac{1}{5}$ of the teaching staff was not in school for a field trip. How many staff members were at that meeting?



Answers

- 1. $864 \times \frac{3}{8} = 324$ There are 324 girls in the school.
- 2. $864 \times \frac{5}{8} \times \frac{2}{9} = 120$ There are 120 boys on the soccer team.
- 3. $\frac{5}{24} \times \frac{4}{7} = \frac{5}{42}$ $\frac{5}{42}$ of all the students take the school bus to school.
- 4. $\frac{12}{12} \frac{7}{12} = \frac{5}{12}$ so $\frac{5}{12}$ of the students stayed home that day.

 $\frac{5}{12} \times \frac{4}{5} = \frac{1}{3}$ $\frac{1}{3}$ of all the students called in to inform the school about missing school this day.

- 5. $80 \times \frac{13}{16} = 65$ 65 staff members are invited to the meeting.
- 6. $65 \times \frac{4}{5} = 52$

There were 52 staff members at the meeting.