



Common Factors

TAKS Objectives 1, 2
TEKS 5.3D, 5.5A, 5.5B

Find the common factors to solve.

1. For a barbeque, Mrs. Fraley made 18 chicken wings and 24 hot dogs. Each plate has the same number of chicken wings and hot dogs. What is the greatest number of chicken wings and hot dogs that can be on one plate?

3. In the lunchroom, 36 fifth-graders and 27 fourth-graders are sitting in equal groups. All the students in each group are in the same grade. How many students could be in each group?

5. The fifth- and sixth-grade students went on a field trip together. There were 112 fifth-graders and 98 sixth-graders on the trip. The students were put into equal groups by grade. There was one teacher for each group of fifth-graders and sixth-graders. What is the greatest number of students that could be in each group?

2. Ms. Booth is sewing dresses. She has 16 red buttons and 24 blue buttons. Each dress will have the same number of blue and red buttons. Using all buttons, what is the greatest number of dresses Ms. Booth can sew?

4. The track team has 42 girls and 28 boys. At the postseason banquet, the coaches decided to separate the girls and boys into equal groups. If each group has at least 2 people, what size groups could be made?

6. Rich has 132 CDs and 99 DVDs in his media cabinet. Each shelf has either CDs or DVDs on it and there are equal numbers on each shelf. What is the least number of shelves that Rich can have? How many are on each shelf?
