

DRILL SHEET 23 - PROPORTION

1. If a 40-foot tree casts a shadow of 24 feet, what is the number of feet in the length of the shadow cast at the same time by a 15-foot flagpole?
2. A gear 28 cm in diameter turns a gear 21 cm in diameter. If the larger gear makes nine revolutions, how many revolutions does the smaller gear make?
3. The ratio of cats to dogs in a pet shop is 2:5. If there are 20 dogs in the shop, how many cats are in the shop?
4. If a cookie recipe yielding 2 dozen cookies uses $\frac{2}{3}$ cups of butter, how many cups of butter would be needed to make 5 dozen cookies?
5. Three pencils cost as much as 2 pens. If 5 pens cost 90¢, how many cents do 8 pencils cost?
6. Avocados sell for the price 2 for 79¢. What is the greatest number of avocados that can be bought for \$3.00?
7. The ratio of boys to girls in an assembly is five to six. How many boys were present if there were one hundred forty-three in attendance?
8. If an 8-inch square cake serves four people, how many 12-inch square cakes are needed to provide equivalent servings for eighteen people?