

**Proportional Relationships Word Problems - Matching Worksheet**

Match the constant of proportionality (unit rate) to the situation explained.

- \_\_\_\_\_ 1. The number of chocolates sold can be determined by the equation:  $P = $.63c$ , where  $P$  is the price and  $c$  is the number of chocolates. a. 6
- \_\_\_\_\_ 2. In a pizza shop, the number of pizzas prepared can be determined by the equation  $P = .30h$ .  $P$  is the number of pizzas and  $h$  is the number of cups of cheese used. b. 3
- \_\_\_\_\_ 3. Kevin is a florist. The number of flowers he uses can be determined by the equation:  $F = 4P$ , where  $F$  is the number of flowers and  $P$  is the vases in the store. c. .25
- \_\_\_\_\_ 4. Kelly distributes candies among kids. The number of candies can be determined by the equation:  $C = 6q$ , where  $C$  is the number of candies and  $q$  is the number of kids. d. .30
- \_\_\_\_\_ 5. Drew writes a book in two months. The number of pages written can be determined by the equation:  $P = .25d$ , where  $P$  is the number of pages and  $d$  is the number of days he was writing. e. 4
- \_\_\_\_\_ 6. William has a farm of hens. The number of eggs laid by the hens can be determined by the equation  $E = 3h$ , where  $E$  is the number of eggs and  $h$  is the number of hens. f. .63

