

Algebra and Representation

Your Unit or Mine?

NAME _____

Circle the correct equation relating the variables in each problem.

1. There are 1760 yards in 1 mile. If Y represents the number of yards and M represents the number of miles, which of the following equations correctly relates Y and M ?

(a) $1760Y = M$

(b) $Y = 1760M$

2. There are 4 quarts in 1 gallon. If A represents the number of quarts and B represents the number of gallons, which of the following equations correctly relates A and B ?

(a) $4A = B$

(b) $A = 4B$

3. There are 3 feet in 1 yard. If R represents the number of feet and S represents the number of yards, which of the following equations correctly relates R and S ?

(a) $3R = S$

(b) $R = 3S$

4. There are 2 cups in 1 pint. If C represents the number of cups and P represents the number of pints, which of the following equations correctly relates C and P ?

(a) $2C = P$

(b) $C = 2P$