

Using Variables to Represent Two Quantities - Matching Worksheet

Match the word problems to their answers. Write the letter of the answer that matches the problem.

- _____ 1. This equation shows Louie's height varies with age.
 $p = 3a$
The variable p represents Louie's height in inches, and the variable a represents Louie's age. How long was Lucky after 4 years old? a. 8
- _____ 2. $p = 2d$
This equation shows how the number of paintings made by Kevin depends on the number of days.
The variable d represents the number of days and the variable p represents the total number of paintings painted. After 4 days, how many paintings will Kevin paint? b. 30
- _____ 3. The below equation represents the total number of pictures in a story book. The number of pages depends on the number of pictures in the book.
 $p = 14h$
The variable p represents the number of pages in a story book. The variable h represents the number of pictures in the book. If a story book has 4 pictures, how many pages will it have? c. 12
- _____ 4. $p = 3d$
The above equation shows how the number of cakes Ivan made related to the number of cups of chocolate powder he used to make cakes.

The variable d represents the number of cups of chocolate powder used, and the variable p represents the total number of cakes made. If he used 10 cups of chocolate, how many cakes have been made by him? d. 56

