

# MasterMath

Solving Equations with Multiplication and Division

Name \_\_\_\_\_

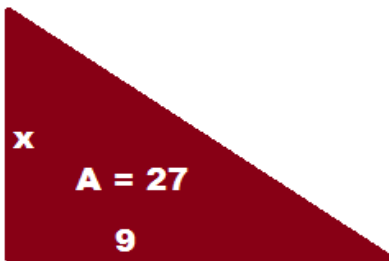
Date \_\_\_\_\_

## 1. Solve for the variable

Try multiplying both sides by  $x$  and see what you get.

Equation	Solution
$3x = 18$	
$x/3 = 18$	
$3/x = 18$	
$14x = 35$	
$x \div 5 = 6$	
$5x = 5$	
$x/2.5 = 4$	

2. Solve for  $x$

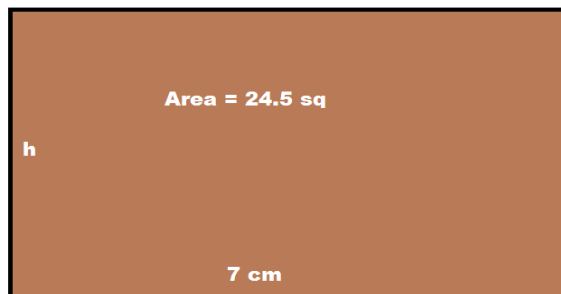


3. You've got 15 coins in your pocket, and all are either quarters or dimes. You have twice as many dimes as quarters. How many quarters do you have in your pocket?

4. Solve for  $z$ :  $6z = 33$

5. Solve for  $q$ :  $q \div 8 = 40$

6. Solve for  $h$



7. A number times six equals 48. What is the number?

8. The quotient of a number divided by 12 is 6. What is the number?