

MasterMath

Solving Equations with Multiplication and Division

Name _____

Date _____

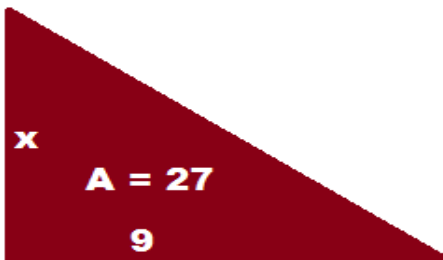
1. Solve for the variable

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

Equation	Solution
$3x = 18$	6
$x/3 = 18$	54
$3/x = 18$	3/18
$14x = 35$	2.5
$x \div 5 = 6$	30
$5x = 5$	1
$x/2.5 = 4$	10

2. Solve for x

6



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?

5

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

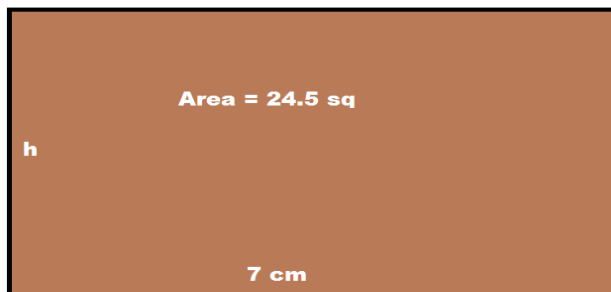
5.5

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

320

6. Solve for h

3.5



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

8

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

72