

MasterMath

Solving Equations with Addition and Subtraction

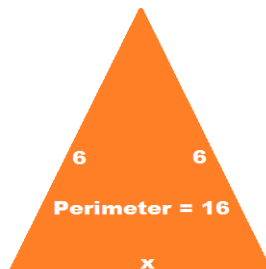
Name _____

Date _____

1. Solve for the variable. Check your solution

equation	solution
$x - 12 = 62$	74
$z + 1/2 = 2 \frac{1}{2}$	2
$a - 14 = 45$	59
$c + 6 - 11 = 15$	20
$x + 1/3 = 1/2$	1/6

2. Write an equation and solve for x:



equation	solution
$x + 6 + 6 = 16$	4

3. You and your sister have found 47 fossils for your collection. Your sister found 18 fossils. Write an equation to determine how many fossils you found (x), and solve.



equation	solution
$x + 18 = 47$	29

4. You can run a mile 21 seconds faster than your brother can. He runs a mile in 6 minutes and 18 seconds. Write an equation to determine how fast you can run a mile, and then solve.

equation	solution
$x + 21 \text{ seconds} = 6 \text{ min. and } 18 \text{ seconds}$	min 57 se
$x + 21 \text{ sec} = 378 \text{ sec}$	357 sec

5. Your mother spent \$42.25 at the grocery. She bought the items shown in this chart. Write an equation to determine the cost of the pot roast, and solve for r.

Item	Cost	equation	solution
pot roast	r	$r + 4.25 + 9.75 + 21.5 = 42.25$	\$6.75
milk	\$4.25		
canned goods	\$9.75		
turkey	\$21.50		
Total	\$42.25		