

Inverse operations

"wado" each other.

Use these to solve equations. The inverse operation of addition is

Subtraction

The Subtraction
Property of
Equality says two
sides of an
equation remain
<u>Equal</u> if you
subtract the same
number from
Each Side

Solving

Addition

and

Subtraction

Equations

Inverse operating

"andd" each other.

Use these to solve equations. The inverse operation of subtraction is

addition

The Addition
Property of
Equality says two
sides of an
equation remain

edd the same

Rach Side

Solve using inverse operations:

$$\frac{132/+ x = 245.5}{-132} - \frac{-132.0}{x} = 113.5$$

$$-\frac{\frac{1}{8}}{\frac{1}{8}} + n = \frac{1}{2} \times \frac{4}{4} = \frac{4}{8}$$

$$-\frac{1}{8} - \frac{1}{8} - \frac{1}{8}$$

$$-\frac{1}{8} - \frac{1}{8}$$

Word Problems

A board that measures
19.5 meters in length is cut into
two pieces. One piece measure
7.2 meters. Write and solve an
addition equation to find the
length of the other piece.

After you withdraw \$50 from your savings account, the balance is \$124. Write and solve a subtraction equation to find your starting balance.

Solve using inverse operations:

$$a - 28 = 52$$
 $425 + 25$
 77

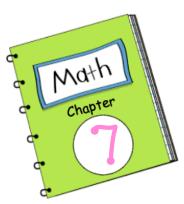
$$h - 14 = 49$$

+ 14
+ 14
h = 63

$$x - 0.75 = 6.35$$

 $+0.75$
 $x - 0.75 = 6.35$
 $x - 0.75 = 6.35$

$$x - \frac{1}{12} = \frac{5}{12}$$



TTTLE:

Solving Equations

Lesson	Topic/Assignment
I	Addition and Subtraction Equations Video Notes
2-3	HOMEWORK: Skills WS
2-3	GLASSWORK: HW Practice WS
4-5	Multiplication and Division Equations Video Notes
4-5	HOMEWORK: Skills WS
	2-3 2-3 2-3 4-5



Lesson 2 Skills Practice Solve and Write Addition Equations

Solve each equation. You must SHOW BALANCING (do the same inverse operation on each side) for full credit.

1.
$$x + 4 = 7$$

2.
$$t+6=10$$

3.
$$y + 13 = 27$$

4.
$$z + 4 = 6$$

5.
$$p+2=8$$

6.
$$b + 16 = 71$$

7.
$$46 + a = 58$$

8.
$$53 + r = 110$$

9.
$$2 + h = 10$$

10.
$$6 + y = 9$$

11. PROJECT Zahara spent 55 hours in 2 weeks working on a science project. She worked 32 hours the first week. Write and solve an addition equation to find the amount of time she spent working the second week.

Lesson 3 Skills Practice

Solve and Write Subtraction Equations

Solve each equation. You must SHOW BALANCING (do the same inverse operation on each side) for full credit.

1.
$$a-1=7$$

2.
$$b-2=1$$

3.
$$3 = c - 11$$

4.
$$x - 32 = 15$$

5.
$$3 = y - 4$$

6.
$$232 = k - 114$$

7.
$$m-5=6$$

8.
$$n-73=68$$

9.
$$15 = s - 18$$

10.
$$t-9=1$$

11. ROCKETS During a test flight, Jeri's rocket reached a height of 18 yards. This was 7 yards less than the height of Devon's rocket. Write and solve a subtraction equation to find the height of Devon's rocket.