

CYU 1.5 Adding Real Numbers DAY TWO

Use when you get it right all by yourself

S Use when you did it all by yourself, but made a silly mistake

H Use when you could do it alone with a little help from teacher or peer

G Use when you completed the problem in a group

X Use when a question was attempted but wrong (get help)

N Use when a question was not even attempted

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Real World Application	5	1, 2, 3, 4	
Additive Inverse/Opposites	6		
Simplifying Expressions	7		
Checking Solutions	8		

- The low temperature in Anoka, Minnesota, was -15° last night. During the day, it rose only 9° . Find the high temperature for the day.
-6°
- On January 2, 1943, the temperature was -4° at 7:30 a.m. in Spearfish, South Dakota. Incredibly, it got 49° warmer in the next 2 minutes. To what temperature did it rise by 7:32?
45°
- The lowest point in Africa is -512 feet at Lake Assal in Djibouti. If you are standing at a point 658 feet above Lake Assal, what is your elevation?
146 ft
- The lowest elevation in Australia is -52 feet at Lake Eyre. If you are standing at a point 439 feet above Lake Eyre, what is your elevation?
387 ft
- In golf, scores that are under par for the entire round are shown as negative scores; positive scores are shown for scores over par, and par is zero. During the 2015 Hyundai Tournament in Maui, Hawaii, Patrick Reed won with scores of -6 , -4 , -5 , & -6 . What was his overall score?
-21

6. Find each additive inverse, or the opposite value.

a. 6

-6

b. 4

-4

c. -2

2

d. -8

8

e. 0

0

f. $-\frac{1}{4}$

$\frac{1}{4}$

g. $|-6| = 6$

-6

h. $|-11| = 11$

-11

7. Simplify each expression.

a. $-|-2| = -2$

b. $-(-3) = 3$

c. $-|0| = 0$

d. $|\frac{-2}{3}| = \frac{2}{3}$

e. $|\frac{-2}{3}| = \frac{2}{3}$

f. $-(-7) = 7$

8. Decide if the given number is a solution of the given equation. Show work.

a. Is -4 a solution of $x + 9 = 5$?

yes

or thought process!

b. Is 10 a solution of $7 = -x + 3$?

no

c. Is -1 a solution of $y + (-3) = -7$?

no

d. Is -6 a solution of $1 = y + 7$?

yes

CYU Reflection: How far can you go: basic, intermediate, or advanced?

Rate your mastery level!

How confident are you with the skills this CYU covered? Circle the score you would give yourself.

