More Adding Rational Numbers

If a = -3, b = -5 and c = 5, find the sum. **SUBSTITUTE + SOLVE!**

1) c + b

$5 + -5$

$\boxed{0}$

2) a + |b|

$-3 + |-5|$

$-3 + 5$

$\boxed{2}$

3) |a + b|

$|-3 + -5|$

$|-8|$

$\boxed{8}$

4) a + b + c

$-3 + (-5) + 5$

$\boxed{-3}$

5) a + |c + b|

$-3 + |5 + -5|$

$-3 + |0|$

$\boxed{-3}$

6) a + c

$-3 + 5$

$\boxed{2}$

If x = -10, y = 2 and z = -1, find the sum.

7) x + z

$-10 + -1$

$\boxed{-11}$

8) |z| + x

$|-1| + -10$

$1 + -10$

$\boxed{-9}$

9) |x + y + z|

$|-10 + 2 + -1|$

$|-9|$

$\boxed{9}$

10) z + y

$-1 + 2$

$\boxed{1}$

11) x + y

$-10 + 2$

$\boxed{-8}$

12) |x + y| + z

$|-10 + 2| + -1$

$|-8| + -1$

$8 + -1$

$\boxed{7}$

Write an addition expression to describe each situation. Then find each sum.

13) FOOTBALL A team gains 20 yards. Then they lose 7 yards.

$20 + -7 = \boxed{13}$

14) MONEY Roger owes his mom $5. He borrows another $6 from her.

$-5 + -6 = \boxed{-11}$

15) HOT AIR BALLOON A balloon rises 340 feet into the air. Then it descends 130 feet.

$340 + -130 = \boxed{210}$

16) CYCLING A cyclist travels downhill for 125 feet. Then she travels up a hill 50 feet.

$-125 + 50 = \boxed{-75}$

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