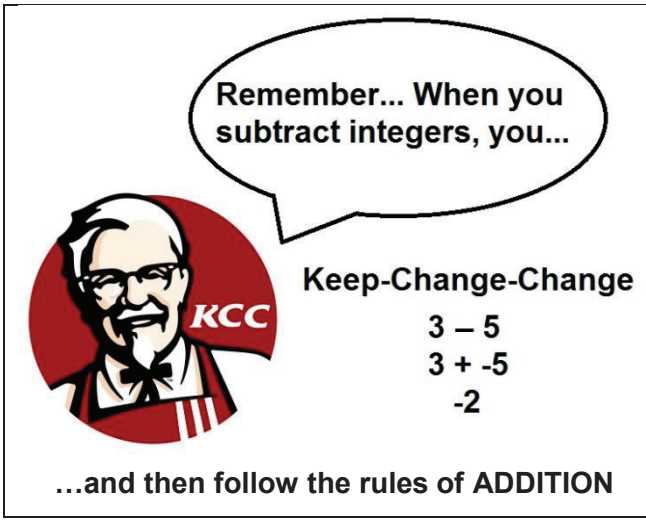
Unit 3 Objective 5 Remediation

Subtracting Numbers with Like and Unlike Signs



1. $3-(-4)$
   $= 3+(+4) = 7$

2. $-3-4$
   $= -3+-4 = -7$

3. $3-4$
   $= 3+-4 = -1$

For fractions:

Find a common denominator first then +/- the numerators and keep denominator the same.

$-\frac{1}{2}-\frac{2}{3}$ $-\frac{1\cdot3}{2\cdot3}-\frac{2\cdot2}{3\cdot2}$ $-\frac{3}{6}-\frac{4}{6}$ $=-\frac{7}{6}$

Decimals:

Line up the decimal points to +/-

DO NOT USE A CALCULATOR TO COMPLETE THIS REMEDIATION.

Try These

1. $4-(-6)=$
2. $-8-(-2)=$
3. $-3-7=$
4. $0-(-3)=$
5. $-1-1=$
6. $-38-(-14)=$
7. $28-(-15)=$
8. $12-(-28)=$
9. $25-(-23)=$
10. $-20-(-18)=$
11. $-64-26=$
12. $-1.6-4.5=$

13. $-1.4 - 1.4 =$

14. $-2.8 - (-1.4) =$

15. $-3.9 - (-5.6) =$

16. $7.8 - (-4.7) =$

17. $-\frac{2}{3} - \left(-\frac{1}{3}\right) =$

18. $\frac{1}{5} - \left(-\frac{3}{5}\right) =$

19. $-\frac{3}{8} - \frac{1}{4} =$

20. $\frac{1}{10} - \frac{7}{10} =$

1. Simplify.

a. $9 + (-2) - 15$

b. $-8 - (-5) + 20$

c. $14 - 36 - (-25)$

d. $-3 - (-14 - 2)$

K 3
V −8
R 9
E 13
B 17

2. Simplify.

a. $16 - (-5) + (-12)$

b. $-7 + (-8) - 32$

c. $-27 - (-10) + 6$

d. $180 - (-45 + 90)$

A 135
O 9
T −47
E 110
P −11

3. Solve.

a. The temperature in Sunnyside was 76°F. The temperature in Frostbite was −18°F. What was the difference in these two temperatures?

b. At 6:00 P.M., the temperature in Oshgon was −7°F. By midnight, the temperature had dropped 22°. Find the temperature at midnight.

O 24°F C −29°F D 94°F

4. Solve.

a. Teton was hiking at an elevation of 1650 ft. He had the following changes in elevation: up 150 ft, down 670 ft, up 320 ft. What was his elevation then?

b. The top of Acme Tower is 1380 ft above ground level. The bottom of the tower is 30 ft below ground level. How tall is the tower?

N 1450 ft M 1430 ft P 1410 ft

5. Simplify.

a. $20 + (-7) - 8 - 8$

b. $-5 - (-11) - 14 + 3$

c. $-24 - (7 - 10 + 1)$

d. $8 - (-3) - (4 - 9)$

D −15
L −5
W 16
N −22
G −3

6. Evaluate if $a = -8$, $b = -3$, $c = 10$.

a. $a + b + c$

b. $a - b - c$

c. $-a + b - c$

d. $-a - b + c$

A −1
U 16
I −5
L 21
S −15

7. Simplify.

a. $-\frac{11}{16} + \frac{1}{16} - \left(-\frac{7}{16}\right) - \frac{3}{16}$

b. $\frac{3}{8} - \frac{2}{3} + \frac{7}{12}$

H $\frac{5}{12}$
S $-\frac{3}{8}$
B $\frac{7}{24}$

8. Simplify.

a. $-7.5 + 8.3 - (-4.9)$

b. $13.8 + (-9.2) - 5.5$

c. $-3.27 - 6.45 + 2.92$

C −6.8
S 5.7
T −5.4
A −0.9