

Integers Word Problems (Add + Subtract)

Note:

Positive Words = Add

Negative Words = Subtract

1. A football team gained 9 yards on their 1st play, and then lost 22 yards on the next. What is their change in field position?

$$9 - 22 = -13 \text{ yards}$$

A loss of 13 yards

Nov 19-10:01 AM

A football team lost 5 yards on their first down and lost another 12 yards on their second down. How many total yards have they lost?

$$-5 + (-12) \text{ or } -5 - 12$$

$$-17 \text{ yards}$$

Lost 17 yards

At noon the temperature was 5 degrees below zero. At 3:00 the temperature had risen 4 degrees. What is the new temp?

$$-5 + 4 = -1^\circ$$

1 degree below zero

Nov 19-10:07 AM

Mary has \$45 in the bank. She makes a withdraw of \$25. How much is left in the bank?

$$45 - 25 = \$20$$

$$\begin{array}{r} 45 \\ -25 \\ \hline 20 \end{array}$$

Challenge: A bank statement shows the following deposits and withdraws. If the account started with \$350 what is the ending balance?

350 + \$100, +\$50, -\$250, -\$20, -\$75, +\$40

$$\begin{array}{r} 350 \\ 100 \\ 50 \\ + 40 \\ \hline + \$540 \end{array}$$

$$\begin{array}{r} 250 \\ 20 \\ + 75 \\ \hline - \$345 \end{array}$$

$$\begin{array}{r} 450 \\ -345 \\ \hline \boxed{\$195} \end{array}$$

Nov 19-10:12 AM

A football team gains 8 yards on their 1st play and loses 10 yards on their 2nd. What is their total yardage?

$$8 - 10 = -2 \text{ yards}$$

Loss of 2 yards

Dec 3-10:07 AM

A submarine starts at 15 feet below sea level. It rises 9 feet, then descends 12 feet. What is its new position?

$$-15 + 9 - 12$$

$$-6 - 12 = -18 \text{ feet}$$

18 feet below Sea level

Dec 3-10:12 AM

It was -23° in the morning and overnight the temperature dropped 5 more degrees. What is the new temp.?

$$-23 - 5 = -28^{\circ}$$

It was -23° in the morning and overnight it was -28° what is the difference in temperatures?

$$-23 + +28$$

5° difference

Dec 3-10:16 AM

Double Zap Word Problems

Key Words:
 (Subtraction) • Difference
 • How many/much more

Ex) Marc has \$25 and Lena has -\$25.
How much more money does Marc have?

$$25 + +25 = \$50$$

Dec 3-10:17 AM

The temperature in Hawaii is 85° and in Alaska it is -20°. What is the difference in the two temps?

$$85 + +20 = 105^{\circ}$$

$$\begin{array}{r} 85 \\ 20 \\ \hline 105 \end{array}$$

Dec 3-10:25 AM