

Integers Word Problems (Add + 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?

$$9-22 = -13$$
 yards

A loss of 13 yards

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?

$$-5+(-12)$$
 or $-5-12$

$$-17 \text{ yards}$$

$$\text{Lost } 17 \text{ yards}$$

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

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

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

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

$$8-10 = -2$$
 yards
Loss of 2 yards

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

$$-15+9-12$$

$$-6-12 = -18$$
 feet below Sea level

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

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

Double Zap Word Problems

- Key Words: Difference

 (Subtraction) · How many/much more
- Marc has \$25 and Lena has <u>-\$25</u>.
 How much more money does Marc have?

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

$$85++20=105^{\circ}$$
 $\frac{85}{40}$

On Own:

1. Johnny deposits \$55 into his account, then withdraws \$75. What is his new balance?

2. Tara has \$55 in her account and Taylor has -\$75 in his. What is the difference in their amounts?

Adding & Subtracting Rational #5 12/12 (With Negatives)

Remember:

$$\frac{1}{2} = \frac{2}{2} = \frac{2}$$

XTO add/Subtract
fractions you
Need a
Common denominator.

Practice

$$0 1.2 + \frac{3}{5} = 1.8 = 1\frac{4}{5}$$

$$9 - 1.2 + \frac{3}{5} = -0.6 = -\frac{3}{5}$$

$$3\frac{1}{4}+(-2)-2\frac{1}{4}=-1$$

Ken add 3/4 cups of broth to a pot. Then he removes 1/2 cup of broth. How much 1s left? $\frac{3}{4} - \frac{1}{2} = \frac{1}{4} cup$

Julia Collected 8.4 gallons of rainwater. She Used 5% gallons this Month. How much Water 15 left? 011 521= 2011 8.4-5°15=39allons

Multiplying & Dividing Rational #s 12/1

Key Words: Multiply/ Divide · Product | · Quotient • OF

* Total of
a group with

The same

• Normal

• Per/each | every
• Average
• How Many times

amount

Mole

1. The price of one share <u>declines</u> at a rate of \$3.50 per day. If this continues for 6 days, what is the total amount lost?

Multiply -3.5(6) = -3.5(6)

2. A deep sea diver descends 325 feet over 10 minutes. How fast is he descending per

minute?

Division:

-325

-32,5

3. A deep sea diver descends 32 feet every minute. If this continues for 1/2 an hour how far down is the diver?

Multiply -32(30) -960ft

960 ft. below Sea level

4. Mary deposits the following amounts: \$25, \$75 and \$30 and withdraws: \$15, \$25 and \$45.50. What is the average between her deposits and withdraws?

Add + Divide

Deposits: $\frac{25+75+30}{85.50} = \130 Withdrawls: $\frac{15+25+45.50}{87.42} = \5.50

ON OWN:

1. Jessie spends 1/2 hour studying for each of her 5 exams. How long did she study all together in hours and minutes.

$$30 \times 5 = 150 \text{ minutes}$$

2 hours \$ 30 minutes

2. If you are 25 miles from home and it takes you 3/4 hours to get home. How fast were you traveling in miles per hour.