

Subtracting Integers and Solving Equations

Ex 1.

If you have \$30 in a checking account, and you write a check for \$42. What is the balance?

To subtract two integers, you can rewrite using _____, then evaluate.

Ex 2.

$$20 - 38 =$$

$$-12 - 25 =$$

$$-24 - (-13) =$$

Ex 3.

Suppose you bet your friend \$50 that you'll get a 100% on your next Math 50 quiz. You win the bet, so your friend owes you \$50. Let's say you're feeling nice, and forgive (i.e. cancel or remove) \$30 of that debt. What is your friend's new balance?

Solving equations

Ex 4.

Solve: $18 + x = 12$

Ex 5.

Solve: $y + (-13) = -4$

Profit/Loss

How much money does a business make or lose?

Revenue – income (money made)

Cost – money spent (on production, operation, labor, etc.)

Net – revenue minus costs ($N = R - C$)

Profit – a positive net

Loss – a negative net

**Ex 6.**

You run a small business, and one month have revenue of \$71,250 and total costs of \$73,500. What is your net for the month? Is this a profit or loss?

Ex 7.

You're in a submarine escaping a giant squid. If you're currently at -115 ft, how far do you have to go up to reach -30 ft?

