

As with combining Integers, you need to be able to recognize WHEN to multiply Integers together when given an application (word) problem.

Example 2

At a cattle ranch there are 8 separate groups of animals. Each group has 12 cattle in it. How many cattle are on the ranch?

$$\begin{aligned}8 \times 12 \\ = 96\end{aligned}$$

Example 3

Josie made 6 withdrawals from her bank account. Each time she withdrew \$45. Use negatives to show how much the balance in her account has dropped.

$$\begin{aligned}-\$45 \times 6 \\ = -\$270\end{aligned}$$

Example 4

A plane is descending at 1000 feet per minute. Use negative numbers to express how many feet the plane has dropped in 9 minutes.

$$\begin{aligned}-1000\text{ft} \times 9 \\ = -9000\text{ft}\end{aligned}$$