

warm up review 11/9-11/13

name _____

day 1 (monday)

1. Nathan has \$200 in his savings account. He earns \$30 a week mowing lawns. Write an algebraic expression to represent this situation.

Now use your expression to determine how much money Nathan will have in his account after 18 weeks.

2. At dawn, the temperature at the summit of a mountain was -9.8°C . By noon, the temperature had increased 5.2°C . What was the temperature at noon?

3. Mason left $\frac{5}{8}$ of a pizza in the refrigerator. On Friday, he ate $\frac{1}{3}$ of what was left of the pizza. What fraction of the entire pizza did he eat on Friday?

day 2 (tuesday)

1. Match the equivalent expressions below.

1. $x + x + x - y - y$	A. x
2. $3(x + 2y)$	B. $3x - 2y$
3. $x + x - y + y - x$	C. $3x + 6y$

2. A grown woman will burn roughly 105 calories for each mile run. How many calories will be burned when a grown woman runs 7.5 miles?

3. Solve the following equation.

$$x + 7 = -10$$

Check your solution:

day 3 (wednesday)

1. A building has a height of $16\frac{1}{4}$ meters. Each floor in the building has a height of $3\frac{1}{4}$ meters. How many floors are in the building?

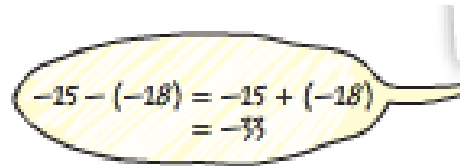
2. Westmoreland, CA is 157 feet below sea level. Dallas, TX is 430 feet above sea level. How many feet apart are Dallas and Westmoreland?

3. Chelsea earns \$30 per day plus \$5 for every sale that she makes at her job. On Thursday, she made \$60 in all. How many sales did Chelsea make? Write and solve an equation to represent this situation.

day 4 (thursday)

1. A recipe calls for $1\frac{3}{4}$ cups of flour. Van wants to make one and one-half times the recipe. How much flour should he use?

2. Hiroshi is finding $-15 - (-18)$. Find his mistake and correct it.


$$\begin{aligned} -15 - (-18) &= -15 + (-18) \\ &= -33 \end{aligned}$$

3. Kyle bought $\frac{1}{2}$ pound of apples, $\frac{2}{3}$ pound of bananas, and $\frac{3}{4}$ pound of pears. What is the total weight of the fruit?