

warm up 11/9-11/13

name _____

day 1 (monday)

1. Olivia has \$175 in her savings account. She earns \$25 a week baby-sitting. Write an algebraic expression to represent this situation.

Use your expression to determine how much Olivia will have in her account after 15 weeks.

2. At dawn, the temperature at the summit of a mountain was -8.2°C . By noon, the temperature had increased 4.7°C . What was the temperature at noon?

3. Mark left $\frac{3}{8}$ of a pizza in the refrigerator. On Friday, he ate $\frac{1}{2}$ 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. $x + x + y + y - x$	A. $2y + 3x$
2. $2(x - 2y)$	B. $2x - 4y$
3. $x + x + y + y + x$	C. $x + 2y$

2. A grown man will burn roughly 120 calories for each mile run. How many calories will be burned when a grown man runs 6.5 miles?

3. Solve the following equation.

$$x + 3 = -6$$

Check your solution:

day 3 (wednesday)

1. A building has a height of $19\frac{1}{2}$ meters. Each floor in the building has a height of $6\frac{1}{2}$ meters. How many floors are in the building?

2. The top of Mount Elbrus in Russia is 18,510 feet above sea level. Lake Eyre in Australia is 49 below sea level. What is the difference in elevation from the top of Mt. Elbrus to the bottom of Lake Eyre?

3. Brandon earns \$55 per day plus \$15 for every sale that he makes at his job. On Tuesday, he made \$130 in all. How many sales did Brandon make? Write and solve an equation to represent this situation.

day 4 (thursday)

1. A recipe calls for $2\frac{1}{4}$ cups of sugar. Julie wants to make one-half of the recipe. How much sugar should she use?

2. Paul is finding $-20 - 12$. Find his mistake and correct it.

$$-20 - 12 = -8$$

3. Dennis bought $\frac{1}{3}$ pound of apples, $\frac{5}{6}$ pound of bananas, and $\frac{1}{4}$ pound of pears. What is the total weight of the fruit?